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CFETP 2A3X2  
Parts I and II  
OCT 97

# **AFSC 2A3X2**

## **F-16/F-117/CV-22 AVIONIC SYSTEMS**



## **CAREER FIELD EDUCATION AND TRAINING PLAN**

# CAREER FIELD EDUCATION AND TRAINING PLAN

## F-16/F-117/CV-22 AVIONIC SYSTEMS

### AFSC 2A3X2

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**CAREER FIELD EDUCATION AND TRAINING PLAN  
F-16/F-117/CV-22 AVIONIC SYSTEMS  
AFSC 2A3X2**

**PART I**

***PREFACE***

**1.** This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for the 2A3X2, F-16/F-117/CV-22 Avionic Systems, specialty. The CFETP will provide personnel a clear career path to success and instills rigor in all aspects of career field training. Note: Civilians occupying associated positions will use Part II to support duty position qualification training.

**2.** The CFETP consists of two parts. Each part is used by supervisors to plan, manage, and control training within the career field.

**2.1. Part I** provides information necessary for overall management of the specialty:

**2.1.1. Section A** explains how everyone will use the plan.

**2.1.2. Section B** identifies career field progression information, duties and responsibilities, training strategies, and career field path.

**2.1.3. Section C** associates each level with specialty qualifications (knowledge, education, training, and other).

**2.1.4. Section D** indicates resource constraints. Some examples are funds, manpower, equipment, and facilities.

**2.1.5. Section E** identifies transition training guide requirements for SSgt through MSgt.

**2.2. Part II** includes the following:

**2.2.1. Section A** identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training, Air Education and Training Command (AETC) conducted training, and wartime course/core task and correspondence course requirements.

**2.2.2. Section B** contains the course objective list/training standards that supervisors will use to determine if airmen satisfied training requirements.

**2.2.3. Section C** identifies available support materials. An example is a Qualification Training Package (QTP) which may be developed to support proficiency training. These packages are indexed in AFIND8, Numerical Index of Specialized Educational Training Publications.

**2.2.4. Section D** identifies a training course index that supervisors can use to determine resources available to support training. Included here are both mandatory and optional courses.

**2.2.5. Section E** identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs.

**3.** Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use

**Part II** to identify, plan, and conduct training commensurate with the overall goals of this plan.

### ***ABBREVIATIONS/TERMS EXPLAINED***

**Advanced Training:** Formal course which provides individuals who are qualified in their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of an AFS.

**Air Force Job Qualification Standard (AFJQS):** A comprehensive task list that describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks of AFJQS are common to all persons serving in the described duty position.

**Career Field Education and Training Plan (CFETP):** A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

**Continuation Training:** Additional training exceeding minimum upgrade requirements with emphasis on present or future duty assignments.

**Core Task:** Tasks that Air Force field functional managers identify as minimum qualification requirements within an Air Force Specialty. Only a percentage of critical tasks for each system are listed as mandatory core tasks. This gives units needed flexibility to manage their workforce training. Core tasks identified with \*R are optional for ANG and AFRC.

**Course Objective List (COL):** A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-/7-level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, Developing, Managing and Conducting Military Training Programs

**Enlisted Specialty Training (EST):** A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

**Exportable Training:** Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

**Field Technical Training (Type 4):** Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

**Initial Skills Training:** A formal school course that results in award of a 3-skill level AFSC.

**Instructional System Development (ISD):** A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

**Occupational Survey Report (OSR):** A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

**On-the-Job Training (OJT):** Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

**Qualification Training (QT):** Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

**Qualification Training Package (QTP):** An instructional course designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer based, or in other audiovisual media.

**Resource Constraints:** Resource deficiencies, such as money, facilities, time, manpower, or equipment, that preclude desired training from being accomplished.

**Specialized Training Package and COMSEC Qualification Training Package:** A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by Air Education and Training Command (AETC), approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

**Specialty Training Standard (STS):** An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between AETC and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, Career Development Courses, and exportable courses.

**Training Impact Decision System (TIDES):** A computer-based decision support technology being designed to assist Air Force career field managers in making critical judgments relevant to what training should be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

**Upgrade Training:** A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

**Utilization and Training Workshop (U&TW):** A forum of MAJCOM Air Force Specialty Code (AFSC) function managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

## ***SECTION A - GENERAL INFORMATION***

**1. Purpose:** This CFETP provides information necessary for the Air Force Career Field Manager (AFCFM), MAJCOM functional managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A3X2 should receive to develop and progress throughout their career. This CFETP identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. This training is conducted by AETC at Sheppard AFB TX. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, and 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

- 1.1.** Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
- 1.2.** Identifies tasks and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.
- 1.3.** Lists training courses available in the specialty and identifies sources of training, and the training delivery method.
- 1.4.** Identifies major resource constraints which impact full implementation of the desired career field training process.

**2. Uses:** This plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

- 2.1.** AETC training personnel will develop/revise formal resident, non-resident, Training Detachment (TD), and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining the resources needed to provide the identified training.
- 2.2.** MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM developed training, to support this AFSC, must be identified for inclusion in this plan and must not duplicate other available training resources.

**2.3.** Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

**3. Coordination and Approval:** The AFCFM is the approving authority. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for AFSC 2A3X2 will initiate an annual review of this document by AETC and MAJCOM AFSC functional managers to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

## ***SECTION B - CAREER FIELD PROGRESSION AND INFORMATION***

### **4. Specialty Descriptions:**

**4.1. Specialty Summary (Apprentice-Craftsman):** Isolates malfunctions , repairs, and inspects F-16/F-117/CV-22 integrated avionic systems at the organizational level. Inspects, services, and performs general aircraft handling procedures. Related DoD Occupational Subgroup : 198.

#### **4.1.1. Duties and Responsibilities:**

**4.1.1.1. Apprentice and Journeyman:** Maintains F-16/F-117/CV-22 on-equipment avionic systems. Inspects, services, and performs general aircraft handling procedures. Operates avionic systems by using proper controls and displays to determine operational condition. Identifies avionic systems malfunctions. Interprets equipment operation characteristics to isolate malfunctions in systems such as attack control, instrument, flight control, communication, navigation, identification, and penetration aids. Traces data flow and wiring diagrams. Uses built-in test functions, electronic measuring equipment, Aerospace Ground Equipment (AGE), and Support Equipment (SE). Removes and installs line replaceable units (LRUs) and aligns systems. Boresights systems. Removes, installs, and performs operational checks of externally mounted avionic and electronic countermeasures equipment. Performs modifications. Maintains and posts entries on inspection and maintenance records. Records meter readings and other pertinent data on equipment maintenance data collection forms. Enters data into automated systems. Uses Core Automated Maintenance System (CAMS). Recommends methods to improve equipment performance and maintenance procedures. Adheres to published guidelines and training requirements. Handles, labels, and disposes of hazardous materials and waste according to environmental standards

**4.1.1.2. Craftsman:** Inspects, analyzes, troubleshoots, and maintains aircraft avionic systems, associated components, subsystems, and test equipment. Advises on problems operating and maintaining aircraft avionic systems, associated electronic components, subsystems, and test equipment. Solves maintenance problems using wiring diagrams, schematic diagrams, and technical publications, and by analyzing operating characteristics. Determines proper maintenance procedures to repair and return systems and components to maximum efficiency. Diagnoses malfunctions and recommends corrective actions. Checks installed and repaired components to ensure compliance with technical publications and directives. Evaluates requirements and prepares quality deficiency reports. Supervise and evaluates job performance and maintenance techniques used to interpret, operate, troubleshoot, remove, repair, service, overhaul, and install aircraft avionic systems and components. Provides training and task certification for skill level advancement.

Ensures compliance with published safety guidelines. Ensures hazardous materials and waste are handled, stored, and disposed of according to environmental standards.

**4.2. Specialty Summary (Superintendent):** Manages maintenance activities engaged in planning, inspecting, repairing, and servicing tactical aircraft and support equipment SE. Related DoD Occupational Subgroup: 600

**4.2.1. Duties and Responsibilities:**

**4.2.1.1.** Plans and organizes tactical aircraft maintenance activities. Plans, organizes, and manages maintenance activities for repair of aircraft and associated SE. Responsible for maintenance planning and inspecting. Coordinates with supply, operations, and other support activities to improve procedures and resolve problems.

**4.2.1.2.** Directs tactical aircraft maintenance activities. Evaluates and directs processes used in inspecting, maintaining, and servicing aircraft, components, and SE. Prioritizes maintenance and repair functions. Supervises preparation of maintenance forms for aircraft repair, inspection, and parts replacement. Directs aircraft battle damage repair and crash recovery operations.

**4.2.1.3.** Inspects and evaluates aircraft maintenance activities. Inspects maintenance performed on tactical aircraft, systems, and components. Evaluates maintenance units to determine operational status and to provide assistance in solving maintenance, supply, and personnel problems. Interprets and discusses inspection findings, and recommends action to correct deficiencies.

**4.2.1.4.** Performs aircraft maintenance management functions. Resolves problems and interprets technical publications for inspecting, maintaining, and modifying aircraft and SE. Ensures submission of deficiency reports. Ensures funds and resources are projected to support maintenance effort, and are managed to optimize mission accomplishment. Ensures unit meets mobility requirements.

**5. Skill and Career Progression:** Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training does their part to plan, develop, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives proper training at appropriate points in their career.

**5.1. Apprentice (3-level):** Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the Career Development Courses, Task Qualification Training, and available exportable courses for continued advancement. Once task certified, a trainee may perform the task unsupervised. Apprentices can be considered for appointment as unit trainers after completion of a formal trainer course.

**5.2. Journeyman (5-level):** Once upgraded to the 5-level, a journeyman will enter into continuation training to broaden their experience base. Journeymen may be assigned job positions such as quality assurance and various staff positions. Journeymen should complete available FTD courses and MAJCOM specific training. Individuals will attend the Airman Leadership School (ALS) after having 48 months in the Air Force. Journeymen will be considered for appointment as unit trainers after completion of a formal trainer course. Individuals will use their CDCs to prepare for promotion testing. They should also consider



continuing their education toward a Community College of the Air Force (CCAF) degree. Time lines and requirements may vary for ANG and AFRC.

**5.3. Craftsman (7-level):** A craftsman can expect to fill various supervisory and management positions such as shift leader, element chief, flight/section chief, and task certifier. They can also be assigned to work in staff positions. Craftsmen should take courses to obtain added knowledge on management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy.

**5.4. Superintendent (9-level/CEM):** A 9-level can be expected to fill positions such as flight NCOIC, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will complete the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFSC are also recommended.

**6. Training Decisions:** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the F-16/F-117/CV-22 Avionic Systems Career Field. This includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were made by MAJCOM Functional Managers and Subject Matter Experts at the career field Utilization and Training Workshop (U&TW) held at Sheppard AFB TX, 3-7 Feb 97.

**6.1. Initial Skills:**

**6.1.1.** A decision was made to revise the resident course to support the implementation of a shredless AFSC. Major changes included: shredless course training will be concentrated in inertial navigation, radar threat warning, air data, fire control radar, flight controls, and fuel quantity indicating systems. The mission ready technician (MRT) tasks certified by the resident course will also be concentrated in these systems. The MRT tasks were realigned to support the shredless AFSC. Currently, A-Shop is trained on 20 MRT tasks; B-Shop: 36 MRT tasks; C-Shop: 22 MRT tasks; and Common: 12 MRT tasks. The shredless concept was developed by choosing the most vital tasks on the concentrated systems. As such, the shredless training will include 37 MRT (9 common and 28 systems) tasks. Although the number of block 40 tasks are reduced, the number of block 40 tasks remaining are extremely important for proper 3-level training. Theory in other systems will be taught through the 5-level and 7-level career development courses. Task certification in other systems will be done through on-the-job-training. Personnel will be tracked in block eight into either Active Duty or Air National Guard/Air Force Reserve tracks. This improves training for personnel on F-16 A/B aircraft. Some of these personnel will complete the C/D track depending on which airframe they are assigned to. The shredless course length is estimated at 85 training days

**6.2. Five-Level Upgrade Training:** The 5-level CDCs will be revised to add CV-22 and F-117 information. Five-level CDCs currently have 12 volumes covering A/B/C shreds separately. The existing "system theory" taskings coded to the "B" level, will be transferred to the seven-level CDCs. The five-level CDCs will be rewritten to reflect an "A" level of theory. According to CDC

writers, estimates for the revised five-level CDCs will require eight volumes and will be issued in three sets.

**6.3. Seven-Level Upgrade Training:** The seven-level in residence course has been revised and renamed. The new course will incorporate interactive courseware troubleshooting tutors and topics were added to build upon the new seven-level management CDC. Logistics Maintenance Management and Maintenance Accountability will be taught to the “C” level along with several other topics. AETC was tasked to work with other Sheppard AFB and Keesler AFB seven-level course managers on course content. Volume 1 minor revisions will be worked first to ensure fielding in Apr 98. The seven-level management CDC will also be extended to two management volumes and will be a prerequisite for attending the in-residence course. The technical volumes of the 7-level CDCs will be developed from existing five-level CDCs’ “B” level information and will be fielded in early 2000.

**6.4. Continuation Training:** The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a continuation training program that ensures individuals in the avionics career field receive necessary training at the appropriate point in their career. The training program will identify both mandatory and optional training requirements.

**6.4.1.** Once 3-levels complete all mandatory CDC and task qualification upgrade requirements, supervisors may begin task training on other systems. This should include qualification on tasks for the remaining systems as identified by the applicable MAJCOM/UNIT.

**6.4.2.** Individuals must begin avionics continuation training after award of the 5-level. At this point, they should also attend advanced courses as available.

**7. Community College of the Air Force (CCAF) Academic Programs:** Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition, CCAF offers the following:

**7.1. Occupational Instructor Certification:** Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

**7.2. Trade Skill Certification:** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The college uses a competency based assessment process for trade skill certification at one of four proficiency levels; Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

**7.3. Degree Requirements:** All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education.....	24
Leadership, Management, and Military Studies.....	6
Physical Education .....	4
General Education .....	15
Program Elective .....	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total .....	64

**7.3.1. Technical Education: (24 Semester Hours):** Until the shredless courses come online in Aug 98, completion of any 2A332 resident training course satisfies the technical education requirements listed below. A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses.

J3ABR2A332A 002	25 semester hours
J3ABR2A332B 002	26 semester hours
J3ABR2A332C 002	23 semester hours

**7.3.2. Leadership, Management, and Military Studies (6 Semester Hours):** Professional military education and/or civilian management courses.

**7.3.3. Physical Education (4 Semester Hours):** This requirement is satisfied by completion of Basic Military Training.

**7.3.4. General Education (15 Semester Hours):** Courses must meet the definition of General Education subjects/courses as provided in the CCAF General Catalog.

**7.3.5. Program Elective (15 Semester Hours):** Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree-applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

**7.4. AETC Instructor Requirements:** Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associate's degree. It is necessary for instructors to have at least an associate's degree so the Technical School can maintain accreditation through the Southern Association of Colleges and Schools.

## 8. Career Field Path:

### 8.1. Manpower Table:

<b>Table A8.1. Manpower Table:</b>							
	CMSgt	SMSgt	MSgt	TSgt	SSgt	SrA	A1C
Base Level	317	286	107	218	461	498	347
MAJCOM Staff	34	18	2	0	0	0	0
HQ USAF Staff	0	0	0	0	0	0	0
FOA/DRU	4	1	1	1	0	0	0
Total	378	329	114	223	461	498	347

## 8.2. Enlisted Career Path:

<b>Table A8.2. Enlisted Career Path</b>				
<b>Education and Training Requirements</b>	<b>GRADE REQUIREMENTS</b>			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
<b>Basic Military Training school</b>				
<b>Apprentice Technical School</b> (3-Skill Level)	Amn A1C	6 months 16 months		
<b>Upgrade To Journeyman</b> (5-Skill Level) - Complete 3 months duty position/apprentice experience <b>before</b> beginning journeyman training. - Minimum 15 months on-the-job training. - Complete appropriate CDC if/when available. - Must complete 18 months training (3 month apprenticeship plus 15 months OJT) for award of the 5-skill level.	A1C SrA	16 months 3 years	28 months	10 Years
<b>Airman Leadership School (ALS)</b> - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
<b><u>Trainer</u></b> - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.	<b><u>Certifier</u></b> - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
<b>Upgrade To Craftsman</b> (7-Skill Level) - Minimum rank of SSgt. - 18 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
<b>Noncommissioned Officer Academy</b> (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt	12.5 years	5 years	20 Years
	MSgt	16 years	8 years	24 Years
<b>USAF Senior NCO Academy (SNCOA)</b> - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
<b>Upgrade To Superintendent</b> (9-Skill Level) - Minimum rank of SMSgt. - Must be a resident graduate of SNCOA (Active Duty Only).	CMSgt	21.5 years	14 years	30 Years

### 8.3. Education and Training Manager Checklist:

<b>Table A8.3. Base Education and Training Manager Checklist</b>		
<b>Requirements for Upgrade to:</b>	<b>Y</b>	<b>N</b>
<b>Journeyman</b> - Has the apprentice completed mandatory CDCs, if available? NOTE: Upgrade trainees will not be required to retake their respective shred 5-level CDC again to fulfill requirements. The below matrix provides continuity for 2A3X2 CDCs completed prior to restructures/mergers: <div style="display: flex; justify-content: space-around; margin: 5px 0;"> <span><b>32656C</b></span> <span><b>converted to</b></span> <span><b>45252A</b></span> <span><b>converted to</b></span> <span><b>2A352A</b></span> </div> <div style="display: flex; justify-content: space-around; margin: 5px 0;"> <span><b>32657C</b></span> <span><b>converted to</b></span> <span><b>45252B</b></span> <span><b>converted to</b></span> <span><b>2A352B</b></span> </div> <div style="display: flex; justify-content: space-around; margin: 5px 0;"> <span><b>32658C</b></span> <span><b>converted to</b></span> <span><b>45252C</b></span> <span><b>converted to</b></span> <span><b>2A352C</b></span> </div> - Has the apprentice completed all core tasks identified in the CFETP? - Has the apprentice completed all other duty position tasks identified by the supervisor? - Has the apprentice completed 18 months training (3 month apprenticeship plus 15 months OJT) for award of the 5-skill level? -- Exception: Is the apprentice in retraining status (TSC 'F')? If yes, they must complete a minimum of 6 months UGT? - Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and CFETP? - Has the apprentice been recommended by their supervisor?		
<b>Craftsman</b> - Has the journeyman achieved the rank of SSgt? - Has the journeyman completed mandatory CDCs, if available? - Has the journeyman completed all core tasks identified in the CFETP? - Has the journeyman completed all other duty position tasks identified by the supervisor? - Has the journeyman attended 7-skill level Craftsman Course (if available)? <b>First, they must complete:</b> -- All 7-skill level training requirements listed in the CFETP. -- All applicable mandatory CDCs and/or exportable courses. -- A minimum of 12 months UGT (6 months for retrainees). - Has the journeyman completed a minimum 18 months UGT for award of the 7-skill level? -- Exception: Is the journeyman in retraining status (TSC 'G')? If yes, they must complete a minimum of 6 months and 12 months respectively.		
<b>Journeyman Qualification Training ( see para. 15.1.1.4. on page 16, must be completed by 30 Apr 99)</b> - Journeyman not currently in upgrade training, will be assigned training status code (TSC) D until all mandatory MDS core tasks, and CDC requirements, as stated above, are complete. Previously qualified 7 levels assigned training status code D will not be required to attend the in-residence seven level course.		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade \_\_\_\_\_(Trainee Name)

Trainee is prepared to be upgraded and has completed all mandatory training requirements.  
 Supervisor recommends upgrade.

\_\_\_\_\_  
 Training Manager

\_\_\_\_\_  
 Supervisor

## ***SECTION C - SKILL LEVEL TRAINING REQUIREMENTS***

**9. Purpose:** Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS in Part II, Sections A and B of this CFETP.

**10. Specialty Qualification:** The various skill levels in this career field are defined in terms of tasks and knowledge proficiency requirements for each skill level. They are stated in broad general terms and establish the standards of performance. The specific task and knowledge training requirements are identified in the STS in Part II, Section A of the CFETP. Unit work centers must develop a structured training program to ensure the following requirements are met.

### **10.1. Apprentice Level Training:**

**10.1.1. Specialty Qualification:** To perform duties at the apprentice level, an individual must be able to understand basic system theory of operation and be able to perform certain on-equipment task certification items identified in Part II. Individuals must be competent on all procedures and tasks with only spot-checking of all work required to be Mission Ready capable.

**10.1.1.1. Knowledge:** An apprentice must be able to use technical data, common hand tools, and special test equipment. Apprentices must be qualified to remove and install system LRUs, perform operational checks, troubleshoot very simple avionic systems to the fault identification level, use support equipment, trace simple signal/data flow of system schematic diagrams, and document maintenance actions in the automated data system.

**10.1.1.2. Education:** For entry into this specialty, completion of high school with courses in basic electronics, mathematics, general science and physics is desirable.

**10.1.1.3. Training:** Training to the three-skill level will require completion of the initial skills courses which include Electronic Principles conducted at Lackland AFB and AFSC specific training conducted at Sheppard AFB TX.

**10.1.1.4. Experience:** There is no experience necessary for entry into AFSC 2A3X2.

#### **10.1.1.5. Other:**

**10.1.1.5.1.** For entry into this specialty, normal color vision as defined in AFI 48-123 is mandatory.

**10.1.1.5.2.** For award and retention of AFSC 2A332, eligibility for a Secret security clearance according to AFI 31-501.

**10.1.2. Training Sources:** The initial skills courses will provide the required knowledge and qualification training. Training encompasses basic electronic principles, system theory and operation, system components, and component removal and installation. Additionally, introduction to maintenance concepts, general flightline maintenance practices, use of technical publications, maintenance documentation, and support equipment are provided.

**10.1.3. Implementation:** Upon graduation from Basic Military Training, airmen will attend Course L3AQR40020 090, Electronic Principles. Prior to implementation of the shredless resident course in Aug 98, completion of electronic principles and one of the following courses will result in award of the 3-level: J3ABR2A332A 002, F-16 C/D Avionic Attack Control Systems Apprentice; J3ABR2A332B 002, F-16 C/D Avionic Instrument and Flight Control Systems Apprentice; or

J3ABR2A332C 002, F-16 C/D Avionic Communication, Navigation, and Penetration Aids Systems Apprentice. The shredless avionic resident course will replace these three courses when implemented in Aug 98.

## **10.2. Journeyman Level Training:**

**10.2.1. Specialty Qualification:** In addition to the 3-level qualifications, a 5-level must possess the knowledge and skills necessary to maintain avionic systems.

**10.2.1.1. Knowledge:** A 5-level must be qualified on inspecting aircraft avionic systems, removal and installation of LRUs, correcting malfunctions, performing operational checks and Built-in Tests (BITs), and the use and care of support equipment. They must be able to handle, label, and dispose of hazardous materials and waste according to environmental standards.

**10.2.1.2. Education:** There are no additional education requirements beyond those defined for the apprentice level.

**10.2.1.3. Training:** Requirements for the Journeyman level require completion of the 5-level CDC and completion of the core tasks specified in the STS.

**10.2.1.4. Experience:** Qualification in and possession of AFSC 2A332. Also, experience in functions such as isolating malfunctions, installing LRUs, and using AGE necessary to maintain avionic systems.

### **10.2.1.5. Other:**

**10.2.1.5.1.** Normal color vision as defined in AFI 48-123 is mandatory.

**10.2.1.5.2.** For award and retention of AFSC 2A352, eligibility for a Secret security clearance according to AFI 31-501.

**10.2.2. Training Sources:** The 5-level CDCs provide the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDCs are written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

**10.2.3. Implementation:** Training to the 5-level is performed by the units, utilizing the STS and CDCs. Upgrade to the 5-level requires completion of the basic 2A352 and appropriate CDCs and all core tasks. Emphasis must be placed on avionic system core tasks and continuation training in all avionic systems prior to any Cross Utilization Training (CUT) in other aircraft related tasks.

## **10.3. Craftsman Level Training:**

**10.3.1. Specialty Qualification:** In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge in theory, concepts, principles and application of avionics systems.

**10.3.1.1. Knowledge:** Mandatory knowledge includes electronic, microelectronic, gyro, synchro, mechanical, and indicator principles, theory, and application. Other knowledge includes, factors involved in transmitting and receiving within the radio frequency and radar frequency ranges; digital computer logic; using and interpreting test and measurement devices; principles of aerodynamics and motion, and power transmission by mechanical and electronic means; electronic combat principles; and concepts and application of maintenance directives. The 7-level must be able to supervise and train personnel to maintain avionic systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques. Historical documentation analysis is also required for all 7-levels.



**10.3.1.2. Education:** There are no additional education requirements beyond those defined for the apprentice level.

**10.3.1.3. Training:** Completion of mandatory CDCs and the resident 7-level course, J3ACR2A372-003, at Sheppard AFB TX is mandatory for upgrade to AFSC 2A372.

**10.3.1.4. Experience:** Completion of all required 7-level core tasks as identified in the STS, and qualification in and possession of AFSC 2A352. Also, experience performing or supervising functions such as installing, maintaining, or repairing aircraft avionics systems.

**10.3.1.5. Other:**

**10.3.1.5.1.** Normal color vision as defined in AFI 48-123 is mandatory.

**10.3.1.5.2.** For award and retention of AFSC 2A372, eligibility for a Secret security clearance according to AFI 31-501.

**10.3.2. Training Sources:** Seven-level upgrade training will be conducted by certified trainers using AF core tasks, unit/MAJCOM specific courses, 7-level CDCs, and the formal 7-level resident course, J3ACR2A372-003. The 7-level CDC and resident course are written to provide advanced management and supervisory knowledge, and troubleshooting skills.

**10.3.3. Implementation:** Upgrade to the 7-level will require completion of all AF core tasks, all 5-level CDCs, 18 months OJT as a SSgt selectee, and completion of the 7-level Craftsman Course. Completion of AF core tasks, 7-level Management CDC, and 12 months OJT as a SSgt selectee (6 months for a retrainee) will be completed before attending the resident course.

**10.4. Superintendent Level Training:**

**10.4.1. Specialty Qualification:** In addition to 7-level qualifications, individuals must possess advanced skills and knowledge of concepts and principles in the management of aircraft systems and maintenance.

**10.4.1.1. Knowledge:** Mandatory in electrical and mechanical principles applying to aircraft and SE; concepts and application of maintenance directives; maintenance data reporting; interpreting and use of maintenance data reports and technical orders; Air Force supply procedures; resource management; and proper handling, use, and disposal of hazardous waste and materials.

**10.4.1.2. Education:** There are no additional requirements beyond those defined for the apprentice level.

**10.4.1.3. Training:** For award of AFSC 2A390, completion of Senior NCO Academy in residence, and promotion to SMSGT is mandatory.

**10.4.1.4. Experience:** For award of AFSC 2A390, qualification in and possession of AFSC 2A371, 2A372, or 2A373X is mandatory. Also experience is mandatory managing or directing repair functions such as inspecting and maintaining aircraft and SE.

**10.4.1.5. Other:** There are no other Specialty Qualification requirements defined in AFMAN 36-2108.

**10.4.2. Training Sources:** The senior NCO Academy and unit OJT will be used for training.

**10.4.3. Implementation:** The 9-level will be awarded after completing MAJCOM requirements, unit OJT and promoted to SMSgt. Individuals must attend the Senior NCO Academy after they are selected for promotion to SMSgt. Guard and Reserve personnel can use correspondence course.

## ***SECTION D - RESOURCE CONSTRAINTS***

**11. Purpose:** This section of the CFETP identifies known resource constraints which preclude optimum/desired training from being developed or conducted, including information such as cost and manpower. Included is a narrative explanation of each resource constraint, an impact statement describing the effect on training, the resources needed, and actions required to satisfy the training requirements.

### **12. Apprentice Level Training Constraints:**

**12.1. Constraint:** Technical school, aircraft and trainer configurations do not support all of the identified STS apprentice level course objectives.

**12.1.1. Impact:** A limited number of STS task certification items will be taught to the 2b level, rather than the 3b level identified, due to lack of a block 40 F-16 aircraft.

**12.1.2. Resources Required:** One block 40 F-16 aircraft and two F-16 Simulated Aircraft Maintenance Trainers (SAMTs), one TFE-36 and one TFE-37.

**12.1.3. Action Required:** Procure necessary aircraft and trainers to support course training objectives. (OPR: 365 TRS)

**13. Five Level Training:** There are no constraints.

**14. Seven Level Training:** There are no constraints.

## ***SECTION E - TRANSITIONAL TRAINING GUIDE***

### **15. Utilization and Training Workshop Transition Training Plan and Implementation Plan:**

#### **15.1. Transition Training Plan:**

##### **15.1.1. Pre-implementation Phase (Oct 97–Apr 99)**

**15.1.1.1. Three Skill Level Training:** Pipeline students will continue to attend one of the current three AFSC awarding courses.

**15.1.1.2. Five Skill Level Upgrade Training:** Apprentices will complete the general aircraft/subjects (2A352) CDC, and all three shredded (2A352A/B/C)CDCs. OJT will be conducted to ensure mandatory core tasks and work center requirements are completed for the assigned MDS before awarding the five skill level.

**15.1.1.3. Seven Skill Level Upgrade Training:** Journeyman will complete all three shredded (2A352A/B/C) CDCs, if not already completed, and the seven level (2AX7X) CDC. OJT will be conducted to ensure mandatory core tasks and work center requirements are completed for the assigned MDS. All OJT and CDC requirements must be completed prior to attending the in-residence seven level course. Completion of the in-residence seven level course is mandatory before awarding the seven skill level.

**15.1.1.4. Qualification Training:** Journeyman not currently in upgrade training will be assigned training status code (TSC) D until all mandatory MDS core tasks, and CDC requirements, as stated above, are complete. Previously qualified 7 levels assigned training status code D will not be required to attend the in-residence seven level course.

### **15.1.2. Post-implementation Phase (April 1999)**

**15.1.2.1.** Three Skill Level Training: Pipeline students will attend a shredless three level AFSC awarding course beginning Aug 98 (Graduate Feb 99)

**15.1.2.2.** Five Skill Level Upgrade Training: Apprentices will complete the general aircraft/subjects (2A352) CDC, and the Integrated Avionics Systems entire shredless 5-level CDCs. OJT will be conducted to ensure mandatory core tasks and work center requirements are completed for the assigned MDS before awarding the five skill level.

**15.1.2.3.** Seven Skill Level Upgrade Training: Journeyman will complete the seven level (2AX7X) CDC. OJT will be conducted to ensure mandatory core tasks and work center requirements are completed for the assigned MDS. All OJT and CDC requirements must be completed prior to attending the in-residence seven level course. Completion of the in-residence seven level course is mandatory before awarding the seven skill level.

### **15.1.3. Implementation Plan:**

**15.1.3.1.** Apr 97, Send message to field outlining the career field changes.

(OPR: ANG/LGMM) (OCR: HQ ACC/LGFB2, HQ USAF/ILMM)

**15.1.3.2.** July 97, Coordinate CFETP with MAJCOMs.

(OPR: 365 TRS/TRR) (OCR: ACC, USAFE, PACAF, ANG, AFRES, AFMC, AETC).

**15.1.3.3.** Oct 97, HQ USAF final approval on CFETP. CFETP will be loaded on the World Wide Web for immediate download and utilization.

(OPR: HQ USAF/ILMM) (OCR: 365 TRS/TRR)

**15.1.3.4.** Oct 97, HQ USAF issues the training instructions to the field.

(OPR: 365 TRS) (OCR: HQ USAF/ILMM)

**15.1.3.5.** Nov 97, New 7 level course on line. (OPR: 365 TRS/TRR)

**15.1.3.6.** Jan 98, Hard copy CFETP will be published. (OPR: 365 TRS/TRR)

**15.1.3.7.** Apr 98, First set of CDCs (mgmt) to be released for the 7 level.

(OPR: 365 TRS/TRR)

**15.1.3.8.** Aug 98, Implement 3 level shredless course. (365 TRS/TRR)

**15.1.3.9.** Oct 98, Submit request to AFPC for shredless AFSC in AFMAN 36-2108. This includes the new duty description. (OPR: HQ ACC/LGFB2) (OCR: HQ USAF/ILMM)

**15.1.3.10.** May 99, New 5 level CDCs will be completed. Implementation will be done immediately. (OPR: 365 TRS/TRR) (OCR: HQ USAF/ILMM)

**15.1.3.11.** Apr 99, AFSC change (direct conversion) of personnel/authorizations will be implemented in AFMAN 36-2108 with duty title changes. (OPR: HQ AFPC/DPPAC)

**15.1.3.12.** May 00, Remaining 7 level CDCs completed. (OPR: 365 TRS/TRR)

## PART II

### SECTION A - SPECIALTY TRAINING STANDARD

**1. Implementation:** This STS will be used for technical training provided by Air Education and Training Command for classes beginning Aug 98 and graduating Feb 99.

**2. Purpose:** As prescribed in AFI 36-2201, this STS:

**2.1.** Lists in the column 1 (task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. An asterisk (\*) before the number indicates a wartime course objective.

**2.2.** Column 2 (Core Tasks) identifies, by asterisk (\*), specialty-wide training requirements. Core tasks identified with an \*R are optional for AFRC and ANG. Certification on all shop/flightline core tasks applicable to at least one Mission Design Series (MDS) aircraft assigned must be completed for skill level upgrade. Only core tasks which are applicable to base assigned aircraft or equipment are required for upgrade (units are not exempt if aircraft/equipment is assigned to another unit on base).

**2.3.** Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date.

**2.4.** Show formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in columns 4A and 4C(1) (e.g. 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listing.

**2.5.** Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

**2.6. Qualitative Requirements:** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

**2.7. Job Qualification Standard:** Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. When used as a JQS, the following requirements apply:

**2.7.1. Documentation:** Document and certify completion of training. Automated records, utilizing Core Automated Management System (CAMS) or Integrated Maintenance Data System (IMDS)/Global Combat Support System (GCSS), reflecting this STS may be used and are highly

encouraged. Use of attachments one, two and four is mandatory in individual training records; use of attachments three, five and six is optional depending upon duty position. Attachment seven is not used in training records. Identify duty position requirements by circling the subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: Tng Complete, Trainee Initials, Trainer Initials, and Certifier Initials (if applicable). There are no approved AFJQS for this AFSC.

**2.7.1.1. Converting from Old Document to CFETP:** All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. For those tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and enter certifier's initials. The trainee will initial in the trainee's block. For previous certification on tasks not required in the current duty position, carry forward *only* the previous completion date. If and when these tasks become a duty position requirement, recertify with current date, certifier's initials, and trainee's initial.

**2.7.1.2. Documenting Career Knowledge:** When a CDC is not available: the supervisor identifies STS training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 26-2108. For two-time CDC course exam failures: Supervisors identify all STS items corresponding to the areas covered by the CDC. The trainee completes a study of STS references, undergoes evaluation by the task certifier, and receives certification on the STS. **NOTE:** Career Knowledge must be documented prior to submitting a CDC waiver.

**2.7.1.3. Decertification and Recertification:** When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid/tape (if the entries are in ink) over the previously certified entry.

**2.7.2. Training Standard:** Tasks are trained and qualified to the go/no go level. Go means the individual can perform the task without assistance and meet local demands for accuracy, timeliness, and correct use of procedures.

**3. Recommendations:** Report unsatisfactory performance of individual course graduates to the AETC training manager at 365 TRS/TRR, 609 9th Ave, Sheppard AFB TX, 76311-2335, DSN 736-7908 or e-mail strunkj@spd.aetc.af.mil. Reference specific STS paragraphs. For a quick response to problems, call our customer service information line, DSN 736-2574.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

WILLIAM P. HALLIN, Lieutenant General, USAF  
DCS/Installations and Logistics

## 7 Attachments

1. Proficiency Code Key (Mandatory to file in training records with Pages 19-21)
2. Training Requirements, F-16 Commons (Mandatory)
3. Training Requirements, F-16 A/B Aircraft (Optional)
4. Training Requirements, F-16 C/D Aircraft (Mandatory)
5. Training Requirements, F-117 Aircraft (Optional)
6. Training Requirements, Electronic Principles (Optional)
7. Training Matrix (Not used in training records)

# PROFICIENCY CODE KEY

2A3X2

<i>This Block Is For Identification Purposes Only</i>		
Name Of Trainee		
Printed Name (Last, First, Middle Initial)	Initials (Written)	SSAN
Printed Name Of Training/Certifying Official And Written Initials		
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	
N/I	N/I	

## QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	<b>IS EXTREMELY LIMITED</b> (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	<b>IS PARTIALLY PROFICIENT</b> (Can do most parts of the task. Needs only help on hardest parts.)
	3	<b>IS COMPETENT</b> (Can do all parts of the task. Needs only a spot check of completed work.)
	4	<b>IS HIGHLY PROFICIENT</b> (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	<b>KNOWS NOMENCLATURE</b> (Can name parts, tools, and simple facts about the task. )
	b	<b>KNOWS PROCEDURES</b> (Can determine step by step procedures for doing the task. )
	c	<b>KNOWS OPERATING PRINCIPLES</b> (Can identify why and when the task must be done and why each step is needed.)
	d	<b>KNOWS ADVANCED THEORY</b> (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	<b>KNOWS FACTS</b> (Can identify basic facts and terms about the subject.)
	B	<b>KNOWS PRINCIPLES</b> (Can identify relationship of basic facts and state general principles about the subject.)
	C	<b>KNOWS ANALYSIS</b> (Can analyze facts and principles and draw conclusions about the subject.)
	D	<b>KNOWS EVALUATION</b> (Can evaluate conditions and make proper decisions about the subject.)
<p>Explanations</p> <p>* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)</p> <p>** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.</p> <p>- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs.</p> <p>X This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b etc.).</p> <p>Note: Tasks and knowledge items shown with an asterisk (*) in column one are trained during war time.</p>		

# F-16 COMMONS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
NOTE 1: The following notes apply to attachments 2 through 6 as applicable.											
NOTE 2: The system attachments have been aligned in TO arrangement to remove shred-like appearance.											
NOTE 3: Users may annotate lists of TRs to identify current references pending STS revision.											
NOTE 4: Items in column 1, marked with a single asterisk (*) are the tasks/knowledges that are trained in resident wartime courses to the proficiency levels listed in column 4a. Items with a dash (-) in column 4a are not trained in the resident wartime courses.											
NOTE 5: The 3-skill level training on STS items A2.2.2.1. through A2.2.2.5. is completed in basic military training.											
NOTE 6: Core Tasks are identified by an asterisk (*) in the appropriate column. Core tasks identified with an *R are optional for ANG and AFRC but mandatory for active duty AF personnel.											
NOTE 7: STS Items A2.5.3.1. and A2.13.2. apply to the certification of only the TOs and Tools utilized during the "3b" MRT tasks identified.											
A2.1.	<b>CAREER LADDER STRUCTURE</b>							-	A	-	-
	<b>TR: AFMAN 36-2108; AFVA 39-1</b>										
* A2.2.	<b>SECURITY</b>										
A2.2.1.	Communications Security (COMSEC)										
	TR: DOD 5200.1-R; AFI 21-109, AFI 31-401; AFP 100-46; AF Security Classification Guide										
A2.2.1.1.	Levels of classification							-	-	-	-
A2.2.1.2.	Use MAJCOM/SOA EEFls involved in communications							-	-	-	-
A2.2.1.3.	Observe security precautions involved in communications							-	-	-	-
A2.2.2.	Operations Security (OPSEC)										
	TR: AFIs 10-1101, 31-101, 31-401, 33-201										
A2.2.2.1.	Definition of OPSEC							-	-	-	-
A2.2.2.2.	History of OPSEC							-	-	-	-
A2.2.2.3.	Relationship of OPSEC to other programs such as COMSEC, Information Security, and physical security							-	-	-	-
A2.2.2.4.	Common OPSEC vulnerabilities							-	-	-	-
A2.2.2.5.	OPSEC significance of unclassified data							-	-	-	-
* A2.2.2.6.	Specific vulnerabilities of AFSC 2A3X2							A	-	-	-
A2.2.2.7.	Physical security of resources							A	-	-	-



# F-16 COMMONS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A2.3. <b>AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM</b> <b>TR: AFIs 21-101, 91-202, 91-301, 91-302; AFOSH Stds 48-8, 91-38, 127-12127-31, 127-43, 127-66, 127-100, 161-9, 161-10, 161-21</b>											
A2.3.1. Hazards and AFOSH standards of AFSC 2A3XX								A	B	-	-
A2.3.2. Work area cleanliness and safety								A	-	-	-
A2.3.3. Hazards of RF energy								A	B	-	-
A2.3.4. Report suspected RF overexposure		*						A	-	-	-
A2.3.5. Safety practices when working with or in the vicinity of:											
A2.3.5.1. Compressed gases								A	A	-	-
A2.3.5.2. RF sources								A	A	-	-
A2.3.5.3. Electrical power								A	A	-	-
A2.3.5.4. Hydraulic power								A	A	-	-
A2.3.5.5. Hazardous liquids								-	A	-	-
A2.3.5.6. Portable fire extinguishers								A	-	-	-
A2.3.5.7. High intensity sound								A	A	-	-
A2.3.6. Discuss FOD prevention TR: AFI 21-101								A	A	-	-
A2.3.7. Laser safety								A	A	-	-
A2.3.8. Hydrazine hazards TR: AFOSH Std 161-13								A	A	-	-
* A2.4. <b>HAZARDOUS COMM, MATERIAL, and WASTE</b> <b>TR: AFOSH Std 161-21</b>											
A2.4.1. Initial Federal Hazard Communication Training Program (FHCTP)								B	-	-	-
A2.4.2. Identification								B	-	-	-
A2.4.3. Handling								B	-	-	B
A2.4.4. Storage/Labeling								B	-	-	-
A2.4.5. Disposal								B	-	-	B

# F-16 COMMONS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A2.5. <b>TECHNICAL PUBS</b> <b>TR: TOs 00-5-1, 00-5-2, 00-5-18, F-16 and F-117 TOs</b>											
A2.5.1. Function and application								A	B	-	-
A2.5.2. Use wiring diagrams								2b	-	-	-
A2.5.3. Use technical orders to perform											
A2.5.3.1. Maintenance	*							3b	-	-	-
A2.5.3.2. Inspections		*						-	-	-	-
A2.5.3.3. Time compliance TO								-	-	-	-
A2.5.4. Report TO deficiencies								-	B	c	-
A2.5.5. TO Indexes								-	A	-	-
* A2.6. <b>SUPPLY DISCIPLINE</b> <b>TR: DoD 7200-10, AFM 67-1 (Vol I, Part One, Chapt 1; Vol II, Part One); AFMAN 23-220, and appl command directives</b>											
A2.6.1. Maintenance Supply Concept								-	-	-	B
A2.6.2. Supply Documents Management								-	-	-	B
A2.6.3. Equipment Account Management								-	-	-	B
A2.6.4. Status of Reports and Training (SORTS)								-	-	-	A
A2.6.5. Priority System								-	-	-	B
A2.6.6. Repair Cycle Assets								-	-	-	B
A2.6.7. Standard Base Supply System (SBSS)								-	-	-	B
A2.6.8. Classified Assets Handling								-	-	-	A
A2.6.9. Land Moblile Radios, Pagers, and Cell Phones								-	-	-	A
A2.6.10. Property responsibility								-	B	-	-
A2.6.11. Supply principles								A	B	-	-
A2.6.12. Use condition tags	*							2b	A	-	-
A2.6.13. Use issue/turn-in forms											
A2.6.13.1. AFTO form 350	*							2b	A	-	-
A2.6.13.2. AF form 2005								2b	-	-	-
A2.6.13.3. Other forms								-	-	-	-
A2.6.14. Use Fed Log								-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.6.15. Depot Level Reparables								-	-	-	B
A2.6.16. Use supply products											
A2.6.16.1. D04								-	-	-	-
A2.6.16.2. D18								-	-	-	-
A2.6.16.3. M30								-	-	-	-
A2.6.16.4. Other form								-	-	-	-
A2.7. <b>SUPERVISION</b> <b>TR: AFMAN 36-2108, AFIs 36-2101, 36-2403, 36-2503, 36-2803, 36-2805, 36-2907, 36-2618, 36-3017, 38-101, 38-201, AFM 50-62 and appl command directives</b>											
A2.7.1. Orient new personnel								-	-	-	-
A2.7.2. Statement of charges TR: DoD 7200.10M								-	-	-	-
A2.7.3. Report of survey TR: DoD 7200.10M								-	-	-	-
A2.7.4. Coordinate work with others								-	-	-	-
A2.7.5. Plan and Schedule											
A2.7.5.1. Work assignments								-	-	C	-
A2.7.6. Assign											
A2.7.6.1. Maintenance and repair work								-	-	-	-
A2.7.6.2. Personnel to positions								-	-	-	-
A2.7.7. Supervise personnel accomplishing maintenance								-	-	-	-
A2.7.8. Analyze maintenance and inspection reports and charts								-	-	-	-
A2.7.9. Establish Performance standards								-	-	-	-
A2.7.10. Evaluate work performance of subordinate personnel								-	-	-	-
A2.7.11. Counsel personnel and resolve individual problems								-	-	-	-
A2.7.12. Perform self-assessments TR: Applicable directives; QAF criteria								-	-	-	A

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
<b>A2.8. TRAINING</b> <b>TR: AFIs 36-2101; 36-2202, 36-2301; AFMAN 36-2108; AFCAT 36-2223</b>											
A2.8.1. Career Field Education and Training Plan (CFETP)								-	-	-	B
A2.8.2. Specialty Training Standard (STS)								-	-	-	B
A2.8.3. Occupational Survey Report (OSR)								-	-	-	B
A2.8.4. Utilization and Training Workshop (U&TW)								-	-	-	B
A2.8.5. Evaluate personnel to determine need for training								-	-	B	-
A2.8.6. Recommend personnel for training								-	-	-	-
A2.8.7. Schedule training								-	-	-	-
A2.8.8. Plan and supervise OJT								-	-	-	-
A2.8.9. Prepare job qualification standards (AF Form 797)								-	-	-	-
A2.8.10. Maintain training records								-	-	B	B
A2.8.11. Evaluate effectiveness of training program								-	-	-	-
<b>A2.8.12. OJT trainer requirements</b>											
A2.8.12.1. Prepare teaching outlines or task breakdowns								-	-	-	-
A2.8.12.2. Provide trainees theory and train on actual equipment								-	-	-	-
A2.8.12.3. Provide feedback on training provided								-	-	-	-
<b>A2.8.13. OJT task certifier requirements</b>											
A2.8.13.1. Develop methods of evaluation to determine trainee knowledge/ qualification, and training effectiveness								-	-	-	-
A2.8.13.2. Use appropriate method of evaluation and effectively determine trainee's ability								-	-	-	-
A2.8.13.3. Provide supervisor and trainer feedback on results of training provided and trainee's strengths/ weaknesses								-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A2.9. <b>MAINTENANCE MANAGEMENT</b> <b>TR: AFI 21-101, 21-109, and applicable command directives</b>											
A2.9.1. Maintenance accountability								-	-	C	B
A2.9.2. Core Values								-	-	-	-
A2.9.3. Basic functions and responsibilities of the maintenance complex								A	-	-	B
A2.9.4. Operational Risk Management								-	-	-	B
A2.9.5. Logistics/Resource maintenance management											
A2.9.5.1. Logistics Management								-	-	C	B
A2.9.5.2. Resource Management								-	-	-	B
A2.9.5.3. Operations/Logistics Group Commander Responsibilities								-	-	-	B
A2.9.5.4. Technical Order Management								-	-	-	B
A2.9.5.5. Deficiency Reporting								-	-	-	-
A2.9.5.6. PEWG, TIPWG, STP, and PMR								-	-	-	A
A2.9.5.7. Financial Plan								-	-	-	A
A2.9.5.8. Aircraft Maintenance Management Info Systems								-	-	-	B
A2.9.5.9. Aircraft Monitoring								-	-	-	B
A2.9.5.10. Unit Self Assessments								-	-	-	A
A2.9.5.11. Maintenance QPM Relationships								-	-	-	B
A2.9.5.12. FOD Program Manager								-	-	-	A
A2.9.5.13. Mobility								-	-	-	A
A2.9.5.14. Expediter, Production Supervisor, and Flight Chief Duties and Responsibilities								-	-	-	B
A2.9.5.15. Maintenance Incident Investigation and Prevention								-	-	-	B
A2.9.6. Processing and controlling materiel								-	B	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A2.10. <b>MAINTENANCE, INSPECTION SYSTEMS AND FORMS</b> <b>TR: AFI 21-109; TO 00-35D-54; TO 00-20 series and applicable command directives</b>											
A2.10.1. Inspection systems								-	A	B	-
A2.10.2. Deficiency reporting system								-	A	C	B
A2.10.3. Complete deficiency reports								-	-	3c	-
A2.10.4. Report software deficiencies								-	-	-	B
A2.10.5. Job Data Documentation (JDD)								-	-	-	B
A2.10.6. Historical Records								-	-	-	B
A2.10.7. Status Reports								-	-	-	B
A2.10.8. Configuration Management								-	-	-	B
A2.10.9. Use aircraft maintenance forms TR: TO 00-20 series											
A2.10.9.1. 781A								3b	B	-	-
A2.10.9.2. 781H								2b	A	-	-
A2.10.9.3. 781K								2b	A	-	-
A2.10.9.4. Other 781 forms								-	-	-	-
A2.10.10. Form 244								-	-	-	B
A2.10.11. Use CAMS/Supply Interface TR: AFM 66-279, V 27; 00-20 series TOs, Applicable Aircraft -06 TOs											
A2.10.11.1. Maintenance transactions								3b	-	-	A
A2.10.11.2. Supply transactions								1a	-	-	A
A2.10.11.3. Management/Supervision Transactions								-	-	-	A
A2.10.12. Integrated Maintenance Data System (IMDS)								-	-	-	A
A2.10.13. Other Automated Maintenance Systems (RAMPOD and GO81)								-	-	-	A

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A2.11. GENERAL AIRCRAFT TASKS  TR: Applicable F-16/F-117 series TOs and directives, AFOSH Standard 127-9, TOs 33A2 series, 35A4 series, 35D12 series, and 35E9 series											
A2.11.1. Aircraft general											
A2.11.1.1. Clean aircraft								-	-	-	-
A2.11.1.2. Perform ground handling											
A2.11.1.2.1. Launch aircraft								-	-	-	-
A2.11.1.2.2. Recover aircraft								-	-	-	-
A2.11.1.3. Tow aircraft											
A2.11.1.3.1. Wing/tail walker								-	-	-	-
A2.11.1.3.2. Aircraft brake operator								-	-	-	-
A2.11.1.3.3. Tow team supervisor								-	-	-	-
A2.11.1.4. Moor aircraft								-	-	-	-
A2.11.1.5. Jack and level aircraft											
A2.11.1.5.1. Jacking team member								-	-	-	-
A2.11.1.5.2. Jacking supervisor								-	-	-	-
A2.11.1.5.3. Assist in weight and balance functions								-	-	-	-
A2.11.2. Airframe systems											
A2.11.2.1. Remove											
A2.11.2.1.1. Airframe components											
A2.11.2.1.1.1. Panels and doors	*							3b	-	-	-
A2.11.2.1.1.2. Glareshield								-	-	-	-
A2.11.2.1.1.3. Open nose radome								-	-	-	-
A2.11.2.1.1.4. Travel Pods								-	-	-	-
A2.11.2.2. Install											
A2.11.2.2.1. Airframe components											
A2.11.2.2.1.1. Panels and doors	*							3b	-	-	-
A2.11.2.2.1.2. Glareshield								-	-	-	-
A2.11.2.2.1.3. Close nose radome								-	-	-	-
A2.11.2.2.1.4. Travel Pods								-	-	-	-
A2.11.3. Utility systems											
A2.11.3.1. Remove LOX converter								-	-	-	-
A2.11.3.2. Install LOX converter								-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.11.3.3. Halon bottle											
A2.11.3.3.1. Inspect								-	-	-	-
A2.11.3.3.2. Remove								-	-	-	-
A2.11.3.3.3. Install								-	-	-	-
A2.11.4. Hydraulic systems											
A2.11.4.1. Service								-	-	-	-
A2.11.4.2. Inspect								-	-	-	-
A2.11.5. Pneumatic system											
A2.11.5.1. Service								-	-	-	-
A2.11.5.2. Inspect								-	-	-	-
A2.11.6. Take engine oil samples (JOAP)								-	-	-	-
A2.11.7. Refuel aircraft (normal)											
A2.11.7.1. Refuel team member								-	-	-	-
A2.11.7.2. Refuel team supervisor								-	-	-	-
A2.11.8. Defuel aircraft											
A2.11.8.1. Defuel team member								-	-	-	-
A2.11.8.2. Defuel team supervisor								-	-	-	-
A2.11.9. External fuel tanks											
A2.11.9.1. Remove								-	-	-	-
A2.11.9.2. Install								-	-	-	-
A2.11.10. Electrical systems											
A2.11.10.1. Perform operational check											
A2.11.10.1.1. Lighting system								-	-	-	-
A2.11.10.1.2. Indicator warning lights								-	-	-	-
A2.11.10.2. Remove											
A2.11.10.2.1. Light lenses								-	-	-	-
A2.11.10.2.2. Light bulbs								-	-	-	-
A2.11.10.2.3. Aircraft battery								-	-	-	-
A2.11.10.3. Install											
A2.11.10.3.1. Light lenses								-	-	-	-
A2.11.10.3.2. Light bulbs								-	-	-	-
A2.11.10.3.3. Aircraft battery								-	-	-	-
A2.11.11. Egress system											
A2.11.11.1. Operate Canopy								-	-	-	-
A2.11.11.2. Seat adjustment								-	-	-	-



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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.11.11.3. Install safety pins								-	-	-	-
A2.11.11.4. Remove safety pins								-	-	-	-
A2.11.12. Aircraft support equipment											
A2.11.12.1. Maintenance stand(s)											
A2.11.12.1.1. Perform pre-use inspection	*							3b	-	-	-
A2.11.12.1.2. Use	*							3b	-	-	-
A2.11.12.2. Aircraft jacks											
A2.11.12.2.1. Perform pre-use inspection								-	-	-	-
A2.11.12.2.2. Use								-	-	-	-
A2.11.12.3. Portable hydraulic test stand											
A2.11.12.3.1. Perform pre-use inspection		*						1b	-	-	-
A2.11.12.3.2. Use		*						1b	-	-	-
A2.11.12.3.3. Bleed		*						-	-	-	-
A2.11.12.4. Air conditioning units											
A2.11.12.4.1. Perform pre-use inspection	*							2b	-	-	-
A2.11.12.4.2. Use	*							2b	-	-	-
A2.11.12.5. Generators											
A2.11.12.5.1. Perform pre-use inspection	*							2b	-	-	-
A2.11.12.5.2. Use	*							2b	-	-	-
A2.11.12.6. Diesel generators											
A2.11.12.6.1. Perform pre-use inspection	*							-	-	-	-
A2.11.12.6.2. Use	*							-	-	-	-
A2.11.12.7. Nitrogen servicing equipment											
A2.11.12.7.1. Perform pre-use inspection								-	-	-	-
A2.11.12.7.2. Use								-	-	-	-
A2.11.12.8. Oil servicing cart											
A2.11.12.8.1. Perform pre-use inspection								-	-	-	-
A2.11.12.8.2. Use								-	-	-	-
A2.11.12.9. Hydraulic servicing cart											
A2.11.12.9.1. Perform pre-use inspection								-	-	-	-
A2.11.12.9.2. Use								-	-	-	-
A2.11.12.10. Centerline stores loader											
A2.11.12.10.1. Perform pre-use inspection								-	-	-	-
A2.11.12.10.2. Use								-	-	-	-
A2.11.12.11. Scissor jack											
A2.11.12.11.1. Perform pre-use inspection								-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.11.12.11.2. Use								-	-	-	-
A2.11.12.12. Air compressors											
A2.11.12.12.1. Perform pre-use inspection								-	-	-	-
A2.11.12.12.2. Use								-	-	-	-
A2.11.12.13. Heaters and blowers											
A2.11.12.13.1. Perform pre-use inspection								-	-	-	-
A2.11.12.13.2. Use								-	-	-	-
A2.11.12.14. Portable light equipment											
A2.11.12.14.1. Perform pre-use inspection								-	-	-	-
A2.11.12.14.2. Use								-	-	-	-
A2.12. <b>ANCILLARY COMMON TASKS</b>  <b>TR: Applicable F-16/F-117 series TOs and directives,TO 00-20-4</b>											
A2.12.1. Computers and Computer Usage											
A2.12.1.1. Application Use								-	-	-	A
A2.12.1.2. Operating Systems								-	-	-	A
A2.12.1.3. Hardware								-	-	-	A
A2.12.1.4. Local Area Networks (LAN)								-	-	-	A
A2.12.2. Support section											
A2.12.2.1. Maintain TMDE (PMEL) reports								-	-	-	-
A2.12.2.2. Maintain TO files								-	-	-	-
A2.12.2.3. Maintain test equipment								-	-	-	-
A2.12.2.4. Issue tools								-	-	-	-
A2.12.2.5. Inspect tools								-	-	-	-
A2.12.2.6. Maintain CA/CRLs								-	-	-	-
A2.12.2.7. Maintain bench stock								-	-	-	-
A2.12.3. Debriefing											
A2.12.3.1. Debrief pilots								-	-	-	-
A2.12.3.2. Maintain debriefing forms								-	-	-	-
A2.12.3.3. Use automated data systems								-	-	-	-
A2.12.4. Dispatcher/expediter											
A2.12.4.1. Maintain dispatch log/board								-	-	-	-
A2.12.4.2. Maintain parts status								-	-	-	-
A2.12.4.3. Maintain aircraft status board								-	-	-	-

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1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.12.4.4. Use radio/radio discipline								-	-	-	-
A2.12.4.5. Use automated data systems								-	-	-	-
A2.12.5. Supply functions											
A2.12.5.1. DIFM monitor								-	-	-	-
A2.12.5.2. Order parts								-	-	-	-
A2.12.6. Aircraft Structural Integrity Program (ASIP)											
A2.12.6.1. Functions								-	A	-	-
A2.12.6.2. ASIP Monitor								-	-	-	-
A2.12.6.3. Complete forms								-	-	-	-
A2.12.6.4. Maintain reports								-	-	-	-
A2.12.7. Serene BYTE Program											
A2.12.7.1. Procedures								-	-	-	-
A2.12.7.2. Reports								-	-	-	-
* A2.13. <b>FUNDAMENTALS OF AVIONICS SYSTEMS MAINTENANCE</b>  <b>TR: AFOSH 127-9, 127-23, 127-66 Applicable Aircraft - 1, -2, -4, -23, TO series; TOs 32-1-2, 32-1-101, 32-1-201, 00-25-234, 1-1-2, 1-1-689, 1-1A-8, 1-1A-14, 1F-(-)-2-00/10JG-00-1, 1F-(-)-2-00GV-00-1, and applicable directives</b>											
A2.13.1. Aircraft familiarization											
A2.13.1.1. Major structural areas								A	A	-	-
A2.13.1.2. Major systems								A	A	-	-
A2.13.1.3. Danger areas								A	B	-	-
A2.13.2. Use common tool(s)	*							3b	-	-	-
A2.13.3. Corrosion control								A	B	-	-
A2.13.4. Protect											
A2.13.4.1. Exposed electrical connectors	*							a	A	-	-
A2.13.4.2. Open pressure lines	*							a	A	-	-
A2.13.4.3. Open waveguides	*							a	A	-	-
A2.13.5. Electric Sensitive Device (ESD) Procedures								-	A	-	-
A2.13.6. Perform aircraft safe for maintenance check	*							3b	-	-	-
A2.13.7. Perform safety wiring	*							2b	A	-	-

# F-16 COMMONS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.13.8. Use torque indicating devices	*							3b	A	-	-
A2.13.9. Follow CTK procedures	*							2b	-	-	-
A2.13.10. Chafing											
A2.13.10.1. Causes								A	B	-	-
A2.13.10.2. Identification								A	A	-	-
A2.13.10.3. Prevention								A	B	-	-
A2.13.11. Advanced Troubleshooting Techniques											
A2.13.11.1. Technical problem solving											
A2.13.11.1.1. Methodology								-	-	C	-
A2.13.11.1.2. Analysis								-	-	C	-
A2.13.12. Perform magnetic survey of base compass swing site								-	-	-	-
* A2.14. <b>AIRCRAFT WIRE, CABLE, AND TRANSMISSION LINE MAINTENANCE</b> <b>TR: Applicable F-16/F-117 -1 and -2 series TOs</b>											
A2.14.1. Use wire repair kit(s)								2b	A	c	-
A2.14.2. Aircraft wiring											
A2.14.2.1. Troubleshoot								2b	-	c	-
A2.14.2.2. Repair								-	A	-	-
A2.14.2.3. Replace								-	-	-	-
A2.14.2.4. Inspect		*						-	-	-	-
A2.14.2.5. Use Time Domain Reflectometer								-	-	3c	-
A2.14.3. Aircraft connectors											
A2.14.3.1. Standard connectors											
A2.14.3.1.1. Repair								2b	B	-	-
A2.14.3.1.2. Replace								-	-	-	-
A2.14.3.1.3. Inspect		*						2b	B	-	-
A2.14.3.2. Wafers											
A2.14.3.2.1. Repair								b	B	-	-
A2.14.3.2.2. Replace								-	-	-	-
A2.14.3.2.3. Inspect		*						b	B	-	-
A2.14.4. RF/Video cables/connectors											
A2.14.4.1. Troubleshoot		*						2b	B	-	-
A2.14.4.2. Repair		*						b	B	-	-

# F-16 COMMONS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.14.4.3. Replace								-	-	-	-
A2.14.4.4. Inspect		*						a	B	-	-
A2.14.4.5. Use RFTLTS								-	-	-	-
A2.14.5. Waveguides											
A2.14.5.1. Remove								-	-	-	-
A2.14.5.2. Install								-	-	-	-
A2.14.5.3. Inspect		*						-	B	-	-
A2.14.6. Use heat gun		*						2b	-	-	-
A2.15. <b>MEMORY LOADER VERIFIER (MLV)</b> <b>TR: Applicable F-16 series TOs</b>											
A2.15.1. Operation								-	-	-	-
A2.15.2. Configuration/program software cartridges								-	-	-	-
A2.15.3. Perform self-test								-	-	-	-
A2.15.4. Load and verify OFP								-	-	-	-
* A2.16. <b>ENHANCED DIAGNOSTIC AID (EDNA)</b> <b>TR: Applicable F-16 series TOs</b>											
A2.16.1. Operation								A	A	-	-
A2.16.2. Configuration/program software cartridges								-	-	-	-
A2.16.3. Perform self-test								2b	-	-	-
A2.16.4. Load and verify OFP								-	-	-	-
A2.16.5. CSFDR								-	-	-	-
A2.17. <b>DATA TRANSFER SYSTEMS /DIGITAL COMPUTER SYSTEM</b>											
A2.17.1. EDTT hardware set/up configuration  TR: 31S5-4-3546-11, SECTION III								-	-	-	-
A2.17.2. Load operating system software  TR: 31S5-4-3301-51, SECTION 2-16								-	-	-	-
A2.17.3. Install distribution software  TR: 31S5-4-3301-51, SECTION 2-21								-	-	-	-

# F-16 COMMONS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.17.4. Download DTC maintenance data TR: 31S5-4-3301-31, SECTION 2-114								-	-	-	-
A2.17.5. Create DTC maintenance cartridge TR: 31S5-4-3301-31, SECTION 2-10								-	-	-	-
A2.17.6. Copy CSFDR Raymond tape to EDTT TR: 31S5-4-3546-1, SECTION 2-11								-	-	-	-
A2.17.7. Build CSFDR maintenance tape TR: 31S5-4-3546-1, SECTION 2-40								-	-	-	-
A2.17.8. Write CSFDR MLV OSS to Raymond tape TR: 31S5-4-3546-1, SECTION 2-38								-	-	-	-
A2.17.9. Decompress crash protected memory data TR: 31S5-4-3546-1, SECTION 2-42								-	-	-	-
A2.17.10. Analyze decompression results TR: 31S5-4-3546-1, SECTION 2-47, 1F-16C-38								-	-	-	-
A2.17.11. Write core avionics/PSP MLV OSS to Raymond Tape Cassette TR: 31S5-4-3546-21, SECTION 2-26								-	-	-	-
A2.17.12. System administer functions TR: 31S5-4-3301-51, SECTION 2-9								-	-	-	-
A2.18. <b>GENERAL AVIONICS LRUs</b> <b>TR: Applicable F-16/F-117 - 2 Series TOs</b>											
A2.18.1. Attitude Director Indicator (ADI)											
A2.18.1.1. Isolate malfunctions								-	-	-	-
A2.18.1.2. Remove								-	-	-	-
A2.18.1.3. Install								-	-	-	-

# F-16 COMMONS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A2.18.2. Horizontal Situation Indicator (HSI)											
A2.18.2.1. Isolate malfunctions								-	-	-	-
A2.18.2.2. Remove								-	-	-	-
A2.18.2.3. Install								-	-	-	-
A2.18.3. Flight Control Stick-grip Assembly											
A2.18.3.1. Perform operational checkout								-	-	-	-
A2.18.3.2. Isolate malfunctions								-	-	-	-
A2.18.3.3. Remove								-	-	-	-
A2.18.3.4. Install								-	-	-	-
A2.18.4. Slip-turn Transmitter Gyro											
A2.18.4.1. Perform operational checkout								-	-	-	-
A2.18.4.2. Isolate malfunctions								-	-	-	-
A2.18.4.3. Remove								-	-	-	-
A2.18.4.4. Install								-	-	-	-
A2.18.5. Throttle grip assembly											
A2.18.5.1. Perform operational checkout								-	-	-	-
A2.18.5.2. Isolate malfunctions								-	-	-	-
A2.18.5.3. Remove								-	-	-	-
A2.18.5.4. Install								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
Note: Attachment 3 is used in conjunction with Attachment 4.											
A3.1. <b>HIGH FREQUENCY (HF) COMMUNICATIONS (ADF AIRCRAFT)</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A3.1.1. System Description								-	-	-	-
A3.1.2. System Operation								-	-	-	-
A3.1.3. System Theory								-	-	-	-
A3.1.4. Trace signal/data flow								-	-	-	-
A3.1.5. Perform operational checkout								-	-	-	-
A3.1.6. Isolate malfunctions								-	-	-	-
A3.1.7. Use test equipment								-	-	-	-
A3.1.8. Remove system LRU(s)								-	-	-	-
A3.1.9. Install system LRU(s)								-	-	-	-
A3.2. <b>ADVANCED IFF (AIFF) TRANSPONDER SYSTEM (ADF AIRCRAFT)</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A3.2.1. System Description								-	-	-	-
A3.2.2. System Operation								-	-	-	-
A3.2.3. System Theory								-	-	-	B
A3.2.4. Trace signal/data flow								-	-	-	-
A3.2.5. Perform operational checkout and BIT	*							-	-	-	-
A3.2.6. Isolate malfunctions		*						-	-	-	-
A3.2.7. Use test equipment	*							-	-	-	-
A3.2.8. Remove system LRU(s)								-	-	-	-
A3.2.9. Install system LRU(s)								-	-	-	-
A3.3. <b>STORES MANAGEMENT SET (SMS), F-16A/B AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A3.3.1. System Description								-	-	-	-
A3.3.2. System Operation								-	-	-	-
A3.3.3. System Theory								-	A	-	B
A3.3.4. Trace signal/data flow								-	-	-	-
A3.3.5. Perform confidence checkout and BIT								-	-	-	-



1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A3.4. <b>FIRE CONTROL RADAR (FCR), F-16A/B AIRCRAFT ONLY</b>  <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A3.4.1. System Description								A	-	-	-
A3.4.2. System Operation								A	-	-	-
A3.4.3. System Theory								B	A	-	B
A3.4.4. Trace signal/data flow								b	-	-	-
A3.4.5. Perform operational checkout and BIT	*							-	-	-	-
A3.4.6. Isolate malfunctions		*						-	-	-	-
A3.4.7. Remove system LRU(s)								-	-	-	-
A3.4.8. Install system LRU(s)								-	-	-	-
A3.4.9. Use waveguide pressurization tester								-	-	-	-
A3.4.10. Use TS-2059 power test set								-	-	-	-
* A3.5. <b>INERTIAL NAVIGATION SYSTEM (INS) AND INDICATORS, F-16A/B AIRCRAFT ONLY</b>  <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A3.5.1. System Description								A	-	-	-
A3.5.2. System Operation								A	-	-	-
A3.5.3. System Theory								-	A	-	B
A3.5.4. Trace signal/data flow								-	-	-	-
A3.5.5. Perform alignment and operational checkout	*							-	-	-	-
A3.5.6. Isolate malfunctions		*						-	-	-	-
A3.5.7. Remove system LRU(s)								-	-	-	-
A3.5.8. Install system LRU(s)								-	-	-	-
* A3.6. <b>FIRE CONTROL COMPUTER (FCC)/EXPANDED FIRE CONTROL (XFCC), F-16A/B AIRCRAFT ONLY</b> <b>TR: Appl. F-16 -2 and -34 series TOs</b>											
A3.6.1. System Description								A	-	-	-
A3.6.2. System Operation								-	-	-	-
A3.6.3. System Theory								-	A	-	B
A3.6.4. Trace signal/data flow								-	-	-	-

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A3.6.5.	Perform operational checkout	*							-	-	-	-
A3.6.6.	Isolate malfunctions		*						-	-	-	-
A3.6.7.	Remove system LRU(s)								-	-	-	-
A3.6.8.	Install system LRU(s)								-	-	-	-
* A3.7.	<b>HEAD UP DISPLAY (HUD) SYSTEM, F-16A/B AIRCRAFT ONLY</b> <b>TR: Appl. F-16 -2 and -34 series TOs</b>											
A3.7.1.	System Description								-	-	-	-
A3.7.2.	System Operation								-	-	-	-
A3.7.3.	System Theory								-	A	-	B
A3.7.4.	Trace signal/data flow								-	-	-	-
A3.7.5.	Perform operational checkout and BIT	*							-	-	-	-
A3.7.6.	Isolate malfunctions		*						-	-	-	-
A3.7.7.	Remove system LRU(s)								-	-	-	-
A3.7.8.	Install system LRU(s)								-	-	-	-
* A3.8.	<b>RADAR, ELECTRO-OPTICAL (REO) DISPLAY SYSTEM, F-16A/B AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A3.8.1.	System Description								A	-	-	-
A3.8.2.	System Operation								A	-	-	-
A3.8.3.	System Theory								-	A	-	B
A3.8.4.	Trace signal/data flow								b	-	-	-
A3.8.5.	Perform operational checkout and BIT								-	-	-	-
A3.8.6.	Isolate malfunctions								-	-	-	-
A3.8.7.	Remove system LRU(s)								-	-	-	-
A3.8.8.	Install system LRU(s)								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A4.1. <b>ULTRA-HIGH FREQUENCY/HAVE QUICK (UHF/HQ) COMMUNICATIONS</b> <b>TR: Applicable F-16/F-117 - 2 series TOs</b>											
A4.1.1. System Description								A	-	-	-
A4.1.2. System Operation								A	-	-	-
A4.1.3. System Theory								-	A	-	B
A4.1.4. Trace signal/data flow								-	-	-	-
A4.1.5. Perform operational checkout								3b	-	-	-
A4.1.6. Isolate malfunctions		*						-	-	-	-
A4.1.7. Use thru line watt meter		*						-	-	-	-
A4.1.8. Remove system LRU(s)											
A4.1.8.1. UHF RT	*							3b	-	-	-
A4.1.8.2. UHF/IFF Antenna								-	-	-	-
A4.1.8.3. Low Observable Antenna (F-117)								-	-	-	-
A4.1.8.4. Other LRU(s)								-	-	-	-
A4.1.9. Install system LRU(s)											
A4.1.9.1. UHF RT	*							3b	-	-	-
A4.1.9.2. UHF/IFF Antenna								-	-	-	-
A4.1.9.3. Low Observable Antenna (F-117)								-	-	-	-
A4.1.9.4. Other LRU(s)								-	-	-	-
A4.1.10. Load WOD/TOD/FMT								-	-	-	B
* A4.2. <b>SECURE VOICE</b> <b>TR: Applicable F-16/F-117 - 2 series TOs</b>											
A4.2.1. System Description								-	-	-	-
A4.2.2. System Operation								-	-	-	-
A4.2.3. System Theory								-	A	-	-
A4.2.4. Trace signal/data flow								-	-	-	-
A4.2.5. Perform operational checkout								-	-	-	-
A4.2.6. Isolate malfunctions								-	-	-	-
A4.2.7. Remove system LRU(s)								-	-	-	-
A4.2.8. Install system LRU(s)								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.2.9. Code system											
A4.2.9.1. Using KYK-13								-	-	-	-
A4.2.9.2. Other fill devices								-	-	-	-
* A4.3. <b>VERY-HIGH-FREQUENCY (VHF) COMMUNICATIONS</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.3.1. System Description								-	-	-	-
A4.3.2. System Operation								-	-	-	-
A4.3.3. System Theory								-	A	-	-
A4.3.4. Trace signal/data flow								-	-	-	-
A4.3.5. Perform operational checkout								-	-	-	-
A4.3.6. Isolate malfunctions								-	-	-	-
A4.3.7. Use test equipment								-	-	-	-
A4.3.8. Remove system LRU(s)								-	-	-	-
A4.3.9. Install system LRU(s)								-	-	-	-
* A4.4. <b>INTERPHONE SYSTEM</b> <b>TR: Applicable F-16/F-117 - 2 series TOs</b>											
A4.4.1. System Description								A	-	-	-
A4.4.2. System Operation								A	-	-	-
A4.4.3. System Theory								-	A	-	B
A4.4.4. Trace signal/data flow								-	-	-	-
A4.4.5. Perform operational checkout		*						3b	-	-	-
A4.4.6. Isolate malfunctions								-	-	-	-
A4.4.7. Remove system LRU(s)								-	-	-	-
A4.4.8. Install system LRU(s)								-	-	-	-
A4.5. <b>IMPROVED DATA MODEM (IDM)</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.5.1. System Description								-	-	-	-
A4.5.2. System Operation								-	-	-	-
A4.5.3. System Theory								-	A	-	-
A4.5.4. Trace signal/data flow								-	-	-	-
A4.5.5. Perform operational checkout								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
		A	B	A	B	C	D	E	A	B	C	
		5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.5.6.	Isolate malfunctions								-	-	-	-
A4.5.7.	Remove system LRU(s)								-	-	-	-
A4.5.8.	Install system LRU(s)								-	-	-	-
A4.5.9.	Use test equipment								-	-	-	-
* A4.6.	<b>FLIGHT CONTROL SYSTEM (FLCS) (CONVENTIONAL)</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.6.1.	System Description								A	A	-	-
A4.6.2.	System Operation											
A4.6.2.1.	Stability and command augmentation								A	A	-	-
A4.6.2.2.	Trim								A	A	-	-
A4.6.2.3.	Autopilot								A	-	-	-
A4.6.2.4.	Self-test								A	-	-	-
A4.6.2.5.	Air data scheduling								A	-	-	-
A4.6.2.6.	Electrical power (primary/alternate)								A	-	-	-
A4.6.3.	System Theory								B	A	-	B
A4.6.4.	Trace signal/data flow								b	-	-	-
A4.6.5.	Perform operational checkouts											
A4.6.5.1.	FLCS self-test	*							3b	-	-	-
A4.6.5.2.	Other operational checkouts								-	-	-	-
A4.6.6.	Boresight AOA transmitter mount								-	-	-	-
A4.6.7.	Isolate malfunctions		*						-	-	-	-
A4.6.8.	Use test equipment								2b	-	-	-
A4.6.9.	Remove system LRU(s)											
A4.6.9.1.	Flight control computer	*							3b	-	-	-
A4.6.9.2.	Rate gyros								3b	-	-	-
A4.6.9.3.	Flight control panel								-	-	-	-
A4.6.9.4.	Manual trim panel								-	-	-	-
A4.6.9.5.	Other LRUs								-	-	-	-
A4.6.10.	Install system LRU(s)											
A4.6.10.1.	Flight control computer	*							3b	-	-	-
A4.6.10.2.	Rate gyros								3b	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.6.10.3. Flight control panel								-	-	-	-
A4.6.10.4. Manual trim panel								-	-	-	-
A4.6.10.5. Other LRUs								-	-	-	-
* A4.7. <b>DIGITAL FLIGHT CONTROL SYSTEM (DFLCS) (BLOCK 40/50)</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.7.1. System Description								A	-	-	-
A4.7.2. System Operation											
A4.7.2.1. Stability and command augmentation								A	-	-	-
A4.7.2.2. Trim								A	-	-	-
A4.7.2.3. Autopilot								A	-	-	-
A4.7.2.4. BIT								A	-	-	-
A4.7.2.5. Air data scheduling								A	-	-	-
A4.7.2.6. Electrical power (primary/alternate)								A	-	-	-
A4.7.2.7. Terrain Following (TF)								A	-	-	-
A4.7.3. System Theory								B	A	-	B
A4.7.4. Trace signal/data flow								b	-	-	-
A4.7.5. Perform operational checkouts											
A4.7.5.1. Operational checkout and BIT	*							3b	-	-	-
A4.7.5.2. Other checkouts								-	-	-	-
A4.7.6. Boresight AOA transmitter mount		*						-	-	-	-
A4.7.7. Isolate malfunctions								-	-	-	-
A4.7.8. Remove system LRU(s)											
A4.7.8.1. DFLCC	*							3b	-	-	-
A4.7.8.2. Rate gyro								-	-	-	-
A4.7.8.3. Flight control panel								-	-	-	-
A4.7.8.4. Trim control panel								-	-	-	-
A4.7.8.5. Other LRU(s)								-	-	-	-
A4.7.9. Install system LRU(s)											
A4.7.9.1. DFLCC	*							3b	-	-	-
A4.7.9.2. Rate gyro								-	-	-	-
A4.7.9.3. Flight control panel								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.7.9.4. Trim control panel								-	-	-	-
A4.7.9.5. Other LRU(s)								-	-	-	-
* A4.8. <b>LEADING EDGE FLAP SYSTEM</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.8.1. System Description								A	-	-	-
A4.8.2. System Operation								A	-	-	-
A4.8.3. System Theory								-	A	-	B
A4.8.4. Trace signal/data flow								-	-	-	-
A4.8.5. Perform operational checkout								-	-	-	-
A4.8.6. Isolate malfunctions								-	-	-	-
A4.8.7. Remove system LRU(s)								-	-	-	-
A4.8.8. Install system LRU(s)								-	-	-	-
A4.8.9. Rig								-	-	-	-
A4.9. <b>FLCS SEAT DATA RECORDER</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.9.1. System Description								-	-	-	-
A4.9.2. System Operation								-	-	-	-
A4.9.3. System Theory								-	A	-	-
A4.9.4. Perform operational checkout								-	-	-	-
A4.9.5. Isolate malfunctions								-	-	-	-
A4.9.6. Remove LRU								-	-	-	-
A4.9.7. Install LRU								-	-	-	-
* A4.10. <b>FUEL QUANTITY INDICATING SYSTEM</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.10.1. System Description								A	-	-	-
A4.10.2. System Operation								A	-	-	-
A4.10.3. System Theory								B	A	-	B
A4.10.4. Trace signal/data flow								b	-	-	-
A4.10.5. Perform operational checkout	*							-	-	-	-
A4.10.6. Calibrate system	*							2b	-	-	-
A4.10.7. Isolate malfunctions		*						2b	-	-	-



# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.10.8. Use test equipment								3b	-	-	-
A4.10.9. Remove system LRU(s)											
A4.10.9.1. Control Unit								3b	-	-	-
A4.10.9.2. Indicator								3b	-	-	-
A4.10.9.3. Other LRU(s)								-	-	-	-
A4.10.10. Install system LRU(s)											
A4.10.10.1. Control Unit								3b	-	-	-
A4.10.10.2. Indicator								3b	-	-	-
A4.10.10.3. Other LRU(s)								-	-	-	-
A4.10.11. Perform capacitance check								3b	-	-	-
A4.11. <b>HYDRAULIC PRESSURE INDICATION</b> <b>TR: Applicable F-16/F-117 - 2 series TOs</b>											
A4.11.1. System Description								-	-	-	-
A4.11.2. System Operation								-	-	-	-
A4.11.3. System Theory								-	A	-	-
A4.11.4. Trace signal/data flow								-	-	-	-
A4.11.5. Perform operational check								-	-	-	-
A4.11.6. Isolate malfunctions								-	-	-	-
A4.11.7. Remove indicator								-	-	-	-
A4.11.8. Install indicator								-	-	-	-
A4.12. <b>CRASH SURVIVABLE FLIGHT DATA RECORDER (CSFDR) SYSTEM</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.12.1. System Description								-	-	-	-
A4.12.2. System Operation								-	-	-	-
A4.12.3. System Theory								-	A	-	B
A4.12.4. Trace signal/data flow								-	-	-	-
A4.12.5. Perform operational check								-	-	-	-
A4.12.6. Isolate malfunctions								-	-	-	-
A4.12.7. Remove LRU(s)								-	-	-	-
A4.12.8. Install LRU(s)								-	-	-	-
A4.12.9. Complete AFTO Form 38								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.12.10. Crash survivable flight data recorder (CFSDR) download								-	-	-	-
* A4.13. <b>FLIGHT ENVIRONMENT (Air Data) SYSTEM</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.13.1. System Description								A	-	-	-
A4.13.2. System Operation								A	-	-	-
A4.13.3. System Theory								B	A	-	B
A4.13.4. Trace signal/data flow								-	-	-	-
A4.13.5. Perform operational checkout and BIT											
A4.13.5.1. CADC operational checkout (Block 32 and below)								-	-	-	-
A4.13.5.2. Other operational checkouts								-	-	-	-
A4.13.6. Isolate malfunctions								-	-	-	-
A4.13.7. Remove system LRU(s)											
A4.13.7.1. CADC								3b	-	-	-
A4.13.7.2. Other LRU(s)								-	-	-	-
A4.13.8. Install system LRU(s)											
A4.13.8.1. CADC								3b	-	-	-
A4.13.8.2. Other LRU(s)								-	-	-	-
* A4.14. <b>PITOT STATIC INSTRUMENTS</b> <b>TR: Applicable F-16/F-117 - 2 series TOs</b>											
A4.14.1. System Description								A	-	-	-
A4.14.2. System Operation								A	-	-	-
A4.14.3. System Theory								-	A	-	B
A4.14.4. Trace signal/data flow								-	-	-	-
A4.14.5. Perform operational checkouts	*							2b	-	-	-
A4.14.6. Adjust components								-	-	-	-
A4.14.7. Isolate malfunctions		*						-	-	-	-
A4.14.8. Use test equipment								2b	-	-	-
A4.14.9. Remove system LRU(s)											
A4.14.9.1. Altimeter								-	-	-	-
A4.14.9.2. AMI								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.14.9.3. Other LRU(s)								-	-	-	-
A4.14.10. Install system LRU(s)											
A4.14.10.1. Altimeter								-	-	-	-
A4.14.10.2. AMI								-	-	-	-
A4.14.10.3. Other LRU(s)								-	-	-	-
A4.15. <b>STANDBY ATTITUDE INDICATOR (SAI)</b> <b>TR: Applicable F-16/F-117 - 2 series TOs</b>											
- A4.15.1. System Description								-	-	-	-
A4.15.2. System Operation								-	-	-	-
A4.15.3. System Theory								-	A	-	-
A4.15.4. Perform operational checkout								-	-	-	-
A4.15.5. Isolate malfunctions								-	-	-	-
A4.15.6. Remove system LRU								-	-	-	-
A4.15.7. Install system LRU								-	-	-	-
A4.16. <b>DIRECT READING (STANDBY) COMPASS</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.16.1. System Description								-	-	-	-
A4.16.2. System Operation								-	-	-	-
A4.16.3. System Theory								-	A	-	-
A4.16.4. Perform operational checkout								-	-	-	-
A4.16.5. Make compensation adjustments								-	-	-	-
A4.16.6. Degaussing								-	-	-	A
A4.16.7. Isolate malfunctions								-	-	-	-
A4.16.8. Remove system LRU								-	-	-	-
A4.16.9. Install system LRU								-	-	-	-
A4.17. <b>INSTRUMENT LANDING SYSTEM (ILS)</b> <b>TR: Applicable F-16/F-117 - 2 series TOs</b>											
A4.17.1. System Description								-	-	-	-
A4.17.2. System Operation								-	-	-	-
A4.17.3. System Theory								-	A	-	B

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.17.4. Trace signal/data flow								-	-	-	-
A4.17.5. Perform operational checkout								-	-	-	-
A4.17.6. Isolate malfunctions								-	-	-	-
A4.17.7. Use test equipment								-	-	-	-
A4.17.8. Remove system LRU(s)								-	-	-	-
A4.17.9. Install system LRU(s)								-	-	-	-
* A4.18. <b>AIR-TO-GROUND IFF (A/G IFF) TRANSPONDER SYSTEM</b> <b>TR: Applicable F-16/F-117 - 2 series TOs</b>											
A4.18.1. System Description								A	-	-	-
A4.18.2. System Operation								A	-	-	-
A4.18.3. System Theory								-	A	-	B
A4.18.4. Trace signal/data flow								-	-	-	-
A4.18.5. Perform operational checkout and BIT	*							2b	-	-	-
A4.18.6. Isolate malfunctions		*						-	-	-	-
A4.18.7. Use test equipment	*							2b	-	-	-
A4.18.8. Remove system LRU(s)											
A4.18.8.1. IFF RT								3b	-	-	-
A4.18.8.2. Other LRU(s)								-	-	-	-
A4.18.9. Install system LRU(s)											
A4.18.9.1. IFF RT								3b	-	-	-
A4.18.9.2. Other LRU(s)								-	-	-	-
A4.18.10. Mode 4											
A4.18.10.1. System Description								A	-	-	-
A4.18.10.2. System Operation								A	-	-	-
A4.18.10.3. System Theory								-	A	-	B
A4.18.10.4. Trace signal/data flow								-	-	-	-
A4.18.10.5. Perform operational checkout	*							2b	-	-	-
A4.18.10.6. Isolate malfunctions		*						-	-	-	-
A4.18.10.7. Remove system LRU(s)								-	-	-	-
A4.18.10.8. Install system LRU(s)								-	-	-	-
A4.18.10.9. Code system											
A4.18.10.9.1. Use KYK-13	*							2b	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.18.10.9.2. Use AN/CYZ-10								-	-	-	-
A4.18.10.9.3. Use other fill devices								-	-	-	-
A4.18.10.10. Perform EOR IFF Mode 4 check								-	-	-	-
* A4.19. <b>TACTICAL AIR NAVIGATION (TACAN) SYSTEM</b> <b>TR: Applicable F-16/F-117 - 2 series TOs</b>											
A4.19.1. System Description								A	-	-	-
A4.19.2. System Operation								A	-	-	-
A4.19.3. System Theory								-	A	-	B
A4.19.4. Trace signal/data flow								-	-	-	-
A4.19.5. Perform operational checkout and BIT								3b	-	-	-
A4.19.6. Isolate malfunctions								-	-	-	-
A4.19.7. Remove system LRU(s)											
A4.19.7.1. TACAN RT								-	-	-	-
A4.19.7.2. Other LRU(s)								-	-	-	-
A4.19.8. Install system LRU(s)											
A4.19.8.1. TACAN RT								-	-	-	-
A4.19.8.2. Other LRU(s)								-	-	-	-
A4.20. <b>FUEL FLOW INDICATION</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.20.1. System Description								-	-	-	-
A4.20.2. System Operation								-	-	-	-
A4.20.3. System Theory								-	A	-	-
A4.20.4. Trace signal/data flow								-	-	-	-
A4.20.5. Isolate malfunctions								-	-	-	-
A4.20.6. Remove indicator								-	-	-	-
A4.20.7. Install indicator								-	-	-	-
A4.21. <b>NOZZLE POSITION INDICATION</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.21.1. System Description								-	-	-	-
A4.21.2. System Operation								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.21.3. System Theory								-	A	-	-
A4.21.4. Trace signal/data flow								-	-	-	-
A4.21.5. Isolate malfunctions								-	-	-	-
A4.21.6. Remove indicator								-	-	-	-
A4.21.7. Install indicator								-	-	-	-
A4.22. <b>TACHOMETER INDICATION</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.22.1. System Description								-	-	-	-
A4.22.2. System Operation								-	-	-	-
A4.22.3. System Theory								-	A	-	B
A4.22.4. Trace signal/data flow								-	-	-	-
A4.22.5. Isolate malfunctions								-	-	-	-
A4.22.6. Remove indicator								-	-	-	-
A4.22.7. Install indicator								-	-	-	-
A4.23. <b>TEMPERATURE INDICATION</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.23.1. System Description								-	-	-	-
A4.23.2. System Operation								-	-	-	-
A4.23.3. System Theory								-	A	-	B
A4.23.4. Trace signal/data flow								-	-	-	-
A4.23.5. Isolate malfunctions								-	-	-	-
A4.23.6. Remove indicator								-	-	-	-
A4.23.7. Install indicator								-	-	-	-
A4.23.8. Use engine warning test set								-	-	-	-
A4.24. <b>OIL PRESSURE INDICATION</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.24.1. System Description								-	-	-	-
A4.24.2. System Operation								-	-	-	-
A4.24.3. System Theory								-	A	-	B
A4.24.4. Trace signal/data flow								-	-	-	-
A4.24.5. Isolate malfunctions								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.24.6. Remove indicator								-	-	-	-
A4.24.7. Install indicator								-	-	-	-
* A4.25. <b>ADVANCED STORES MANAGEMENT SET (ASMS),F-16 C/D AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.25.1. System Description								-	-	-	-
A4.25.2. System Operation								-	-	-	-
A4.25.3. System Theory								-	A	-	B
A4.25.4. Trace signal/data flow								-	-	-	-
A4.25.5. Perform confidence checkout								-	-	-	-
* A4.26. <b>FIRE CONTROL INTEGRATION</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.26.1. System Description								-	-	-	-
A4.26.2. System Operation								-	-	-	-
A4.26.3. System Theory								-	A	-	B
A4.26.4. Perform integrated system checkout								-	-	-	-
A4.26.5. Isolate malfunction to subsystem								-	-	-	-
* A4.27. <b>BORESIGHT FIRE CONTROL SYSTEM (FCS)</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.27.1. Purpose of boresighting								-	A	-	B
A4.27.2. Perform boresight procedures											
A4.27.2.1. Pilots display unit mount								-	-	-	-
A4.27.2.2. Rate sensor unit mount								-	-	-	-
A4.27.2.3. Inertial navigation unit mount								-	-	-	-
A4.27.2.4. Fire control radar antenna mount								-	-	-	-
A4.27.2.5. Use test equipment								-	-	-	-
A4.27.2.6. Left and right hardpoints								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A4.28. <b>FIRE CONTROL RADAR (FCR), F-16C/D AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.28.1. System Description								A	-	-	-
A4.28.2. System Operation								A	-	-	-
A4.28.3. System Theory								B	A	-	B
A4.28.4. Trace signal/data flow								b	-	-	-
A4.28.5. Perform operational checkout	*							3b	-	-	-
A4.28.6. Isolate malfunctions		*						2b	-	-	-
A4.28.7. Remove system LRU(s)											
A4.28.7.1. DMT	*							3b	-	-	-
A4.28.7.2. MLPRF								-	-	-	-
A4.28.7.3. Antenna								-	-	-	-
A4.28.7.4. Other LRU(s)								-	-	-	-
A4.28.8. Install system LRU(s)											
A4.28.8.1. DMT	*							3b	-	-	-
A4.28.8.2. MLPRF								-	-	-	-
A4.28.8.3. Antenna								-	-	-	-
A4.28.8.4. Other LRU(s)								-	-	-	-
A4.28.9. Use waveguide pressurization tester								2b	-	-	-
A4.29. <b>COMBINED ALTITUDE RADAR ALTIMETER (CARA)</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.29.1. System Description								-	-	-	-
A4.29.2. System Operation								-	-	-	-
A4.29.3. System Theory								-	A	-	B
A4.29.4. Trace signal/data flow								-	-	-	-
A4.29.5. Perform operational checkout and BIT								-	-	-	-
A4.29.6. Isolate malfunctions								-	-	-	-
A4.29.7. Remove system LRU(s)								-	-	-	-
A4.29.8. Install system LRU(s)								-	-	-	-



# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.30. <b>RING LASER GYRO (RLG) NAVIGATION SYSTEM</b> <b>TR: Applicable F-16/F-117 - 2 and -34 series TOs</b>											
A4.30.1. System Description								-	-	-	-
A4.30.2. System Operation								-	-	-	-
A4.30.3. System Theory								-	A	-	-
A4.30.4. Trace signal/data flow								-	-	-	-
A4.30.5. Perform operational checkout and BIT	*							-	-	-	-
A4.30.6. Isolate malfunction		*						-	-	-	-
A4.30.7. Remove system LRU(s)								-	-	-	-
A4.30.8. Install system LRU(s)								-	-	-	-
* A4.31. <b>STANDARD INERTIAL NAVIGATION SYSTEM (SINS) AND INDICATORS, F-16C/D AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.31.1. System Description								A	-	-	-
A4.31.2. System Operation								A	-	-	-
A4.31.3. System Theory								B	A	-	B
A4.31.4. Trace signal/data flow								b	-	-	-
A4.31.5. Perform alignment and operational checkout	*							3b	-	-	-
A4.31.6. Isolate malfunctions		*						b	-	-	-
A4.31.7. Remove system LRU(s)											
A4.31.7.1. INU								3b	-	-	-
A4.31.7.2. INU Battery								-	-	-	-
A4.31.7.3. Other LRU(s)								-	-	-	-
A4.31.8. Install system LRU(s)											
A4.31.8.1. INU								3b	-	-	-
A4.31.8.2. INU Battery								-	-	-	-
A4.31.8.3. Other LRU(s)								-	-	-	-
A4.32. <b>LANTIRN NAVIGATION POD (BLOCK 40)</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.32.1. System Description								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.32.2. System Operation								-	-	-	-
A4.32.3. System Theory								-	A	-	B
A4.32.4. Trace signal/data flow								-	-	-	-
A4.32.5. Perform system checkout											
A4.32.5.1. BIT	*							-	-	-	-
A4.32.5.2. Operational								-	-	-	-
A4.32.5.3. Hardpoint								-	-	-	-
A4.32.6. Isolate malfunctions		*						-	-	-	-
A4.32.7. Remove LRU(s)											
A4.32.7.1. ECU	*							-	-	-	-
A4.32.7.2. APCC	*							-	-	-	-
A4.32.8. Install LRU(s)											
A4.32.8.1. ECU	*							-	-	-	-
A4.32.8.2. APCC	*							-	-	-	-
A4.32.9. Service								-	-	-	-
A4.32.10. Use test equipment								-	-	-	-
A4.32.11. Upload/Download Pod	*							-	-	-	-
A4.32.12. Upload/Download Pylon	*							-	-	-	-
A4.33. <b>LANTIRN TARGETING POD (BLOCK 40)</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.33.1. System Description								-	-	-	-
A4.33.2. System Operation								-	-	-	-
A4.33.3. System Theory								-	A	-	B
A4.33.4. Trace signal/data flow								-	-	-	-
A4.33.5. Perform system checkout											
A4.33.5.1. BIT	*							-	-	-	-
A4.33.5.2. Operational								-	-	-	-
A4.33.5.3. Hardpoint								-	-	-	-
A4.33.6. Isolate malfunctions		*						-	-	-	-
A4.33.7. Remove LRU(s)											
A4.33.7.1. ECU								-	-	-	-
A4.33.7.2. APCC								-	-	-	-
A4.33.8. Install LRU(s)											
A4.33.8.1. ECU								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.33.8.2. APCC								-	-	-	-
A4.33.9. Service								-	-	-	-
A4.33.10. Use test equipment								-	-	-	-
A4.33.11. Upload/Download Pod	*							-	-	-	-
A4.33.12. Upload/Download Pylon	*							-	-	-	-
A4.34. <b>HARM TARGETING SYSTEM (HTS)</b> <b>TR: Applicable F-16-2 and -34 series TOs</b>											
A4.34.1. System Description								-	-	-	-
A4.34.2. System Operation								-	-	-	-
A4.34.3. System Theory								-	A	-	-
A4.34.4. Trace signal/data flow								-	-	-	-
A4.34.5. Perform system checkout											
A4.34.5.1. BIT	*							-	-	-	-
A4.34.5.2. Operational								-	-	-	-
A4.34.5.3. Hardpoint								-	-	-	-
A4.34.6. Isolate malfunctions		*						-	-	-	-
A4.34.7. Remove LRU(s)								-	-	-	-
A4.34.8. Install LRU(s)								-	-	-	-
A4.34.9. Service								-	-	-	-
A4.34.10. Use test equipment								-	-	-	-
A4.34.11. Upload/Download Pod	*							-	-	-	-
A4.34.12. Upload/Download Pylon	*							-	-	-	-
A4.35. <b>RECONNAISSANCE POD SYSTEM INTEGRATION</b> <b>TR: 1F-16C-97JG-00-1, SUP and Lockheed Pub #FZM-764-008</b>											
A4.35.1. System Description								-	-	-	-
A4.35.2. System Operation								-	-	-	-
A4.35.3. System Theory								-	-	-	-
A4.35.4. Trace signal/data flow								-	-	-	-
A4.35.5. Perform operational checkout								-	-	-	-
A4.35.6. Upload/Download Pod								-	-	-	-
A4.35.7. Isolate malfunctions								-	-	-	-
A4.35.8. Remove and install LRU(s)								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.35.9.	Remove and install DCRsi 240 tape cartridge								-	-	-	-
A4.35.10.	Troubleshoot pod using Keithley computer								-	-	-	-
A4.35.11.	Download error log from computer assembly flashcard								-	-	-	-
A4.35.12.	Remove and install KS-87 camera system; lens, camera body and EO back								-	-	-	-
A4.35.13.	Clean DCRsi 240 scanner leads								-	-	-	-
A4.36.	<b>GLOBAL POSITIONING SYSTEM (GPS)</b> <b>TR: Applicable F-16/117 -2 and -34 series TOs</b>											
A4.36.1.	System Description								-	-	-	-
A4.36.2.	System Operation								-	-	-	-
A4.36.3.	System Theory								-	A	-	B
A4.36.4.	Trace signal/data flow								-	-	-	-
A4.36.5.	Enter encryption codes								-	-	-	-
A4.36.6.	Perform operational check								-	-	-	-
A4.36.7.	Isolate malfunctions								-	-	-	-
A4.36.8.	Remove LRU(s)											
A4.36.8.1.	Receiver								-	-	-	-
A4.36.8.2.	Antenna EU								-	-	-	-
A4.36.8.3.	Other LRU(s)								-	-	-	-
A4.36.9.	Install LRU(s)											
A4.36.9.1.	Receiver								-	-	-	-
A4.36.9.2.	Antenna EU								-	-	-	-
A4.36.9.3.	Other LRU(s)								-	-	-	-
A4.36.10.	Test Equipment (F-117)								-	-	-	-
* A4.37.	<b>ENHANCED FIRE CONTROL COMPUTER (EFCC), F-16C/D AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.37.1.	System Description								A	-	-	-
A4.37.2.	System Operation								A	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.37.3. System Theory								-	A	-	B
A4.37.4. Trace signal/data flow								-	-	-	-
A4.37.5. Perform operational checkout	*							-	-	-	-
A4.37.6. Isolate malfunctions		*						-	-	-	-
A4.37.7. Remove system LRU(s)											
A4.37.7.1. EFCC								-	-	-	-
A4.37.7.2. Other LRUs								-	-	-	-
A4.37.8. Install system LRU(s)											
A4.37.8.1. EFCC								-	-	-	-
A4.37.8.2. Other LRUs								-	-	-	-
* A4.38. <b>GENERAL AVIONICS COMPUTER (GAC) (BLOCK 40/50)</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.38.1. System Description								A	-	-	-
A4.38.2. System Operation								A	-	-	-
A4.38.3. System Theory								-	A	-	B
A4.38.4. Trace signal/data flow								b	-	-	-
A4.38.5. Perform operational check	*							-	-	-	-
A4.38.6. Isolate malfunctions		*						b	-	-	-
A4.38.7. Remove system LRU(s)								-	-	-	-
A4.38.8. Install system LRU(s)								-	-	-	-
* A4.39. <b>WIDE ANGLE CONVENTIONAL HEAD UP DISPLAY (HUD) SYSTEM, F-16C/D AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.39.1. System Description								-	-	-	-
A4.39.2. System Operation								-	-	-	-
A4.39.3. System Theory								-	A	-	B
A4.39.4. Trace signal/data flow								-	-	-	-
A4.39.5. Perform operational checkout and BIT	*							-	-	-	-
A4.39.6. Isolate malfunctions		*						-	-	-	-
A4.39.7. Remove system LRU(s)								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.39.8. Install system LRU(s)								-	-	-	-
A4.40. <b>LANTIRN HEAD UP DISPLAY SYSTEM (HUD) (BLOCK 40 ONLY)</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.40.1. System Description								-	-	-	-
A4.40.2. System Operation								-	-	-	-
A4.40.3. System Theory								-	A	-	B
A4.40.4. Trace signal/data flow								-	-	-	-
A4.40.5. Perform operational checkout and BIT	*							-	-	-	-
A4.40.6. Isolate malfunctions		*						-	-	-	-
A4.40.7. Remove system LRU(s)											
A4.40.7.1. PDU								-	-	-	-
A4.40.7.2. EU								-	-	-	-
A4.40.7.3. Other LRU(s)								-	-	-	-
A4.40.8. Install system LRU(s)											
A4.40.8.1. PDU								-	-	-	-
A4.40.8.2. EU								-	-	-	-
A4.40.8.3. Other LRU(s)								-	-	-	-
A4.41. <b>DATA TRANSFER EQUIPMENT (DTE)</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.41.1. System Description								-	-	-	-
A4.41.2. System Operation								-	-	-	-
A4.41.3. System Theory								-	A	-	B
A4.41.4. Trace signal/data flow								-	-	-	-
A4.41.5. Perform operational checkout and BIT								-	-	-	-
A4.41.6. Isolate malfunctions								-	-	-	-
A4.41.7. Remove system LRU(s)								-	-	-	-
A4.41.8. Install system LRU(s)								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A4.42. <b>MULTI-FUNCTION DISPLAY SET (MFDS), F-16C/D AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.42.1. System Description								A	-	-	-
A4.42.2. System Operation								A	-	-	-
A4.42.3. System Theory								-	A	-	B
A4.42.4. Trace signal/data flow								-	-	-	-
A4.42.5. Perform operational checkout and BIT	*							2b	-	-	-
A4.42.6. Isolate malfunction		*						-	-	-	-
A4.42.7. Remove system LRU(s)								-	-	-	-
A4.42.8. Install system LRU(s)								-	-	-	-
* A4.43. <b>UPFRONT CONTROL SYSTEM (UFC), F-16C/D AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.43.1. System Description								A	-	-	-
A4.43.2. System Operation								A	-	-	-
A4.43.3. System Theory								-	A	-	B
A4.43.4. Trace signal/data flow								-	-	-	-
A4.43.5. Perform operational checkout and BIT	*							2b	-	-	-
A4.43.6. Isolate malfunctions		*						-	-	-	-
A4.43.7. Remove system LRU(s)								-	-	-	-
A4.43.8. Install system LRU(s)								-	-	-	-
A4.44. <b>MULTIPLEX BUS</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.44.1. System Description								-	-	-	-
A4.44.2. System Operation								-	-	-	-
A4.44.3. System Theory								-	A	-	-
A4.44.4. Trace signal/data flow								-	-	-	-
A4.44.5. Isolate malfunctions								-	-	-	-
A4.44.6. Remove system LRU(s)								-	-	-	-
A4.44.7. Install system LRU(s)								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.44.8. Use test equipment								-	-	-	-
* A4.45. <b>AIRBORNE VIDEO TAPE RECORDER (AVTR) SYSTEM</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.45.1. System Description								-	-	-	-
A4.45.2. System Operation								-	-	-	-
A4.45.3. System Theory								-	A	-	-
A4.45.4. Trace signal/data flow								-	-	-	-
A4.45.5. Perform operational checkout and BIT								-	-	-	-
A4.45.6. Isolate malfunctions								-	-	-	-
A4.45.7. Remove system LRU(s)								-	-	-	-
A4.45.8. Install system LRU(s)								-	-	-	-
A4.45.9. Perform CTVS HUD Video Alignment								-	-	-	-
* A4.46. <b>IMPROVED AIRBORNE VIDEO TAPE RECORDER (IAVTR) SYSTEM</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>											
A4.46.1. System Description								-	-	-	-
A4.46.2. System Operation								-	-	-	-
A4.46.3. System Theory								-	A	-	-
A4.46.4. Trace signal/data flow								-	-	-	-
A4.46.5. Perform operational checkout and BIT								-	-	-	-
A4.46.6. Isolate malfunctions								-	-	-	-
A4.46.7. Remove system LRU(s)								-	-	-	-
A4.46.8. Install system LRU(s)								-	-	-	-
A4.46.9. Perform CTVS Hud Video Alignment								-	-	-	-
* A4.47. <b>RADAR THREAT WARNING SYSTEM (RTWS)</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.47.1. System Description								A	-	-	-
A4.47.2. System Operation								A	-	-	-



# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.47.3. System Theory								B	A	-	B
A4.47.4. Trace signal/data flow								b	-	-	-
A4.47.5. Perform confidence check	*							2b	-	-	-
A4.47.6. Perform operational checkout	*							3b	-	-	-
A4.47.7. Isolate malfunctions		*						2b	-	-	-
A4.47.8. Use test equipment											
A4.47.8.1. AN/APM-427								2b	-	-	-
A4.47.8.2. Other test equipment								-	-	-	-
A4.47.9. Remove system LRU(s)											
A4.47.9.1. Signal processor								-	-	-	-
A4.47.9.2. Receiver controller								3b	-	-	-
A4.47.9.3. Other LRU(s)								-	-	-	-
A4.47.10. Install system LRU(s)											
A4.47.10.1. Signal processor								-	-	-	-
A4.47.10.2. Receiver controller								3b	-	-	-
A4.47.10.3. Other LRU(s)								-	-	-	-
A4.47.11. Perform EOR checks								-	-	-	-
A4.47.12. Perform 90 day checks								-	-	-	-
* A4.48. <b>ADVANCED RADAR WARNING RECEIVER (ALR-56M)</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.48.1. System Description								A	-	-	-
A4.48.2. System Operation								-	-	-	-
A4.48.3. System Theory								-	A	-	B
A4.48.4. Trace signal/data flow								-	-	-	-
A4.48.5. Perform confidence check	*							-	-	-	-
A4.48.6. Perform operational checkout	*							-	-	-	-
A4.48.7. Isolate malfunctions								-	-	-	-
A4.48.8. Use test equipment								-	-	-	-
A4.48.9. Remove system LRU(s)								-	-	-	-
A4.48.10. Install system LRU(s)								-	-	-	-
A4.48.11. Perform EOR checks								-	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.49. <b>ELECTRONIC COUNTERMEASURES (ECM) SYSTEM (PODS)</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.49.1. System Description								-	-	-	-
A4.49.2. System Operation								-	-	-	-
A4.49.3. System Theory								-	A	-	B
A4.49.4. Trace signal/data flow								-	-	-	-
A4.49.5. Perform operational checkout								-	-	-	-
A4.49.6. Isolate malfunctions								-	-	-	-
A4.49.7. Remove system LRU(s)								-	-	-	-
A4.49.8. Install system LRU(s)								-	-	-	-
A4.49.9. Upload/download pod	*							-	-	-	-
A4.49.10. Upload/download pylon	*							-	-	-	-
A4.50. <b>ADVANCED INTERFERENCE BLANKER SYSTEM</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.50.1. System Description								-	-	-	-
A4.50.2. System Operation								-	-	-	-
A4.50.3. System Theory								-	A	-	B
A4.50.4. Trace signal/data flow								-	-	-	-
A4.50.5. Perform operational checkout								-	-	-	-
A4.50.6. Isolate malfunctions								-	-	-	-
A4.50.7. Remove system LRU								-	-	-	-
A4.50.8. Install system LRU								-	-	-	-
* A4.51. <b>CHAFF-FLARE DISPENSER SYSTEM (CFDS) (ALE-40)</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.51.1. System Description								A	-	-	-
A4.51.2. System Operation								A	-	-	-
A4.51.3. System Theory								-	A	-	B
A4.51.4. Trace signal/data flow								-	-	-	-
A4.51.5. Perform operational checkout	*							2b	-	-	-

# GENERAL AND F-16 C/D (BASELINE) REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A4.51.6. Isolate malfunctions		*						-	-	-	-
A4.51.7. Use test equipment								2b	-	-	-
A4.51.8. Remove system LRU(s)								-	-	-	-
A4.51.9. Install system LRU(s)								-	-	-	-
* A4.52. <b>COUNTERMEASURES DISPENSING SET (CMDS) (ALE-47)</b> <b>TR: Applicable F-16 -2 series TOs</b>											
A4.52.1. System Description								A	-	-	-
A4.52.2. System Operation								-	-	-	-
A4.52.3. System Theory								-	A	-	B
A4.52.4. Trace signal/data flow								-	-	-	-
A4.52.5. Perform operational checkout	*							-	-	-	-
A4.52.6. Isolate malfunctions		*						-	-	-	-
A4.52.7. Use test equipment								-	-	-	-
A4.52.8. Remove system LRU(s)								-	-	-	-
A4.52.9. Install system LRU(s)								-	-	-	-
A4.53. <b>CV-22 SYSTEMS</b> <b>TR: Applicable CV-22 -2 series TOs</b>											
A4.53.1. General aircraft systems								-	A	-	-
A4.53.2. Aircraft avionic systems								-	-	-	-

# F-117 REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
Note: Attachment 5 is used in conjunction with Attachment 4.											
A5.1. <b>COMPUTER COMPLEX (F-117)</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.1.1. System Description								-	-	-	-
A5.1.2. System Operation								-	-	-	-
A5.1.3. System Theory								-	A	-	B
A5.1.4. Trace signal/data flow								-	-	-	-
A5.1.5. Perform operational checkout and BIT	*							-	-	-	-
A5.1.6. Perform on-line checkout								-	-	-	-
A5.1.7. Isolate malfunctions		*						-	-	-	-
A5.1.8. Remove system LRU(s)	*							-	-	-	-
A5.1.9. Install system LRU(s)	*							-	-	-	-
A5.1.10. Perform on-line checkout								-	-	-	-
A5.2. <b>STORES MANAGEMENT SYSTEM (F-117)</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.2.1. System Description								-	-	-	-
A5.2.2. System Operation								-	-	-	-
A5.2.3. System Theory								-	-	-	-
A5.3. <b>HEAD UP DISPLAY (HUD) SYSTEM (F-117)</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.3.1. System Description								-	-	-	-
A5.3.2. System Operation								-	-	-	-
A5.3.3. System Theory								-	-	-	-
A5.3.4. Trace signal/data flow								-	-	-	-
A5.3.5. Perform operational checkout and BIT	*							-	-	-	-
A5.3.6. Isolate malfunctions		*						-	-	-	-
A5.3.7. Remove system LRU(s)								-	-	-	-
A5.3.8. Install system LRU(s)								-	-	-	-

# F-117 REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.4. <b>INERTIAL NAVIGATION SYSTEM (INS) (F-117)</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.4.1. System Description								-	-	-	-
A5.4.2. System Operation								-	-	-	-
A5.4.3. System Theory								-	-	-	-
A5.4.4. Trace signal/data flow								-	-	-	-
A5.4.5. Perform alignments, operational checkout, and BIT								-	-	-	-
A5.4.6. Isolate malfunctions								-	-	-	-
A5.4.7. Remove system LRU(s)								-	-	-	-
A5.4.8. Install system LRU(s)								-	-	-	-
A5.4.9. Interpret performance data								-	-	-	-
A5.5. <b>COLOR MULTI-FUNCTION DISPLAY INDICATOR SYSTEM (F-117)</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.5.1. System Description								-	A	-	-
A5.5.2. System Operation								-	-	-	-
A5.5.3. System Theory								-	-	-	-
A5.5.4. Trace signal/data flow								-	-	-	-
A5.5.5. Perform operational checkout and BIT	*							-	-	-	-
A5.5.6. Isolate malfunctions		*						-	-	-	-
A5.5.7. Remove system LRU(s)								-	-	-	-
A5.5.8. Install system LRU(s)								-	-	-	-
A5.6. <b>DIGITAL TACTICAL SITUATION DISPLAY SYSTEM (F-117)</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.6.1. System Description								-	A	-	-
A5.6.2. System Operation								-	-	-	-
A5.6.3. System Theory								-	-	-	-
A5.6.4. Trace signal/data flow								-	-	-	-

# F-117 REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.6.5. Perform operational checkout and BIT	*							-	-	-	-
A5.6.6. Isolate malfunctions		*						-	-	-	-
A5.6.7. Remove system LRU(s)								-	-	-	-
A5.6.8. Install system LRU(s)								-	-	-	-
A5.7. <b>EXPANDED DATA TRANSFER SYSTEM (EDTS) (F-117)</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.7.1. System Description								-	-	-	-
A5.7.2. System Operation								-	-	-	-
A5.7.3. System Theory								-	-	-	-
A5.7.4. Trace signal/data flow								-	-	-	-
A5.7.5. Perform operational checkout and BIT								-	-	-	-
A5.7.6. Isolate malfunctions								-	-	-	-
A5.7.7. Remove system LRU(s)								-	-	-	-
A5.7.8. Install system LRU(s)								-	-	-	-
A5.8. <b>FLIGHT CONTROL SYSTEM (F-117)</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.8.1. System Description								-	A	-	-
A5.8.2. System Operation								-	-	-	-
A5.8.3. System Theory								-	-	-	-
A5.8.4. Trace signal/data flow								-	-	-	-
A5.8.5. Perform operational checkout and BIT								-	-	-	-
A5.8.6. Isolate malfunctions								-	-	-	-
A5.8.7. Remove system LRU(s)											
A5.8.7.1. FLCC	*							-	-	-	-
A5.8.7.2. FLCP	*							-	-	-	-
A5.8.7.3. Air Data Probe								-	-	-	-
A5.8.7.4. Air Data Transducer								-	-	-	-
A5.8.7.5. Other LRUs								-	-	-	-
A5.8.8. Install system LRU(s)											
A5.8.8.1. FLCC	*							-	-	-	-

# F-117 REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.8.8.2. FLCP	*							-	-	-	-
A5.8.8.3. Air Data Probe								-	-	-	-
A5.8.8.4. Air Data Transducer								-	-	-	-
A5.8.8.5. Other LRUs								-	-	-	-
A5.9. <b>ATTITUDE HEADING REFERENCE SYSTEM (AHRS) (F-117)</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.9.1. System Description								-	A	-	-
A5.9.2. System Operation								-	A	-	-
A5.9.3. System Theory								-	-	-	-
A5.9.4. Trace signal/data flow								-	-	-	-
A5.9.5. Perform operational checkout and BIT	*							-	-	-	-
A5.9.6. Isolate malfunctions		*						-	-	-	-
A5.9.7. Degaussing								-	A	-	-
A5.9.8. Remove system LRU(s)								-	-	-	-
A5.9.9. Install system LRU(s)								-	-	-	-
A5.9.10. System calibration (Compass Swing)								-	-	-	-
A5.10. <b>AUTOPILOT</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.10.1. System Description								-	-	-	-
A5.10.2. System Operation								-	-	-	-
A5.10.3. System Theory								-	-	-	-
A5.10.4. Trace signal/data flow								-	-	-	-
A5.10.5. Perform operational checkout and BIT	*							-	-	-	-
A5.10.6. Isolate malfunctions		*						-	-	-	-
A5.10.7. Remove system LRU(s)								-	-	-	-
A5.10.8. Install system LRU(s)								-	-	-	-
A5.11. <b>AUTO THROTTLE SYSTEM</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.11.1. System Description								-	-	-	-

# F-117 REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.11.2. System Operation								-	-	-	-
A5.11.3. System Theory								-	-	-	-
A5.11.4. Trace signal/data flow								-	-	-	-
A5.11.5. Perform operational checkout and BIT	*							-	-	-	-
A5.11.6. Isolate malfunctions		*						-	-	-	-
A5.11.7. Remove system LRU(s)								-	-	-	-
A5.11.8. Install system LRU(s)								-	-	-	-
A5.12. <b>FLIGHT MANAGEMENT SYSTEM</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.12.1. System Description								-	-	-	-
A5.12.2. System Operation								-	-	-	-
A5.12.3. System Theory								-	-	-	A
A5.12.4. Trace signal/data flow								-	-	-	-
A5.12.5. Perform operational checkout and BIT								-	-	-	-
A5.12.6. Remove system LRU(s)								-	-	-	-
A5.12.7. Install system LRU(s)								-	-	-	-
A5.13. <b>NOSE WHEEL STEERING</b> <b>TR: Applicable F-117 -2 series TOs</b>											
A5.13.1. System Description								-	-	-	-
A5.13.2. System Operation								-	-	-	-
A5.13.3. System Theory								-	-	-	-
A5.13.4. Trace signal/data flow								-	-	-	-
A5.13.5. Perform operational checkout and BIT								-	-	-	-
A5.13.6. Isolate malfunctions								-	-	-	-
A5.13.7. Remove system LRU(s)								-	-	-	-
A5.13.8. Install system LRU(s)								-	-	-	-
A5.14. <b>LOW OBSERVABLE INSTRUMENT SYSTEM (LOIS) RADAR BEACON</b> <b>TR: Applicable F-117 -2 series TO</b>											
A5.14.1. System Description								-	-	-	-



# F-117 REQUIREMENTS

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A5.14.2. System Operation								-	-	-	-
A5.14.3. System Theory								-	-	-	-
A5.14.4. Trace signal/data flow								-	-	-	-
A5.14.5. Perform operational checkout and BIT								-	-	-	-
A5.14.6. Isolate malfunctions								-	-	-	-
A5.14.7. Remove system LRU(s)								-	-	-	-
A5.14.8. Install system LRU(s)								-	-	-	-
A5.15. <b>INFRARED ACQUISITION/ DESIGNATION SYSTEM (IRADS)</b>  <b>TR: Applicable F-117 -2 series TOs</b>											
A5.15.1. System Description								-	-	-	-
A5.15.2. System Operation								-	-	-	-
A5.15.3. System Theory								-	A	-	B
A5.15.4. Trace signal/data flow								-	-	-	-
A5.15.5. Perform operational checkout and BIT	*							-	-	-	-
A5.15.6. Isolate malfunctions		*						-	-	-	-
A5.15.7. Remove system LRU(s)	*							-	-	-	-
A5.15.8. Install system LRU(s)	*							-	-	-	-
A5.16. <b>AIR DATA COMPUTER SYSTEM</b>  <b>TR: Applicable F-117 -2 series TOs</b>											
A5.16.1. System Description								-	-	-	-
A5.16.2. System Operation								-	-	-	-
A5.16.3. System Theory								-	-	-	-
A5.16.4. Trace signal/data flow								-	-	-	-
A5.16.5. Perform operational checkout and BIT	*							-	-	-	-
A5.16.6. Isolate malfunctions		*						-	-	-	-
A5.16.7. Remove system LRU(s)								-	-	-	-
A5.16.8. Install system LRU(s)								-	-	-	-

# ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
"ELECTRONIC FUNDAMENTALS/APPLICATIONS"											
NOTE 1: This attachment identifies the Air Force standardized STS electronic fundamentals and applications STS entries.											
NOTE 2: Only those electronic fundamentals and applications items in column 4 that have a training code in the 3 or 7 level or CDC columns are trained to that specified level. Items that are "/X" will be incorporated into applicable courses when resources become available. Items that are "-/" will not be taught in the course.											
NOTE 3: Users may annotate additional devices or circuits not identified by this attachment that are specific to their AFSC IAW AFI 36-2201. Users may annotate lists of TRs to identify current references pending STS revision.											
NOTE 4: Items in column 1, marked with a single asterisk (*) are the task/knowledges that are trained in resident wartime courses to the proficiency levels listed in column 4a. Items with a dash (-) in column 4a are not trained in the resident wartime courses.											
* A6.1. <b>BASIC TERMS</b> <b>TR: TOs 31-1-141-2 and 31-1-141-5</b>											
A6.1.1. Metric notation								A	-	-	-
A6.1.2. DC terms								A	-	-	-
A6.1.3. AC terms								A	-	-	-
* A6.2. <b>BASIC CIRCUITS</b> <b>TR: TO 31-1-141-2</b>											
A6.2.1. Theory of operation								A	-	-	-
A6.2.2. Troubleshoot circuits								1a	-	-	-
* A6.3. <b>BASIC CIRCUIT CALCULATIONS</b> <b>TR: TO 31-1-141-5</b>											
A6.3.1. DC								A	-	-	-
A6.3.2. AC								A	-	-	-
* A6.4. <b>RESISTORS</b> <b>TR: TO 31-1-141-2</b>											
A6.4.1. Theory of operation								A	-	-	-
A6.4.2. Isolate faulty resistors								1a	-	-	-
A6.4.3. Color code								A	-	-	-
* A6.5. <b>RELAYS</b> <b>TR: TOs 31-1-141-2 and 31-1-141-3</b>											
A6.5.1. Theory of operation								A	B	-	-
A6.5.2. Isolate faulty relays								1a	-	-	-
A6.6. <b>INDUCTORS</b> <b>TR: TOs 31-1-141-2, 31-1-141-5 and 31-1-141-15</b>											
A6.6.1. Theory of operation								A	-	-	-

## ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level	
								(1) Course	(2) CDC	(1) Course	(2) CDC
A6.6.2. Isolate faulty inductors								-	-	-	-
A6.6.3. Calculations								-	-	-	-
* A6.7. <b>CAPACITORS</b> <b>TR: TOs 31-1-141-2, 31-1-141-5 and 31-1-141-15</b>											
A6.7.1. Theory of operation								A	-	-	-
A6.7.2. Isolate faulty capacitors								-	-	-	-
A6.7.3. Calculations								-	-	-	-
A6.7.4. Color code								-	-	-	-
* A6.8. <b>TRANSFORMERS</b> <b>TR: TOs 31-1-141-2, 31-1-141-5 and 31-1-141-15</b>											
A6.8.1. Theory of operation								A	-	-	-
A6.8.2. Isolate faulty transformers								-	-	-	-
A6.8.3. Calculations								-	-	-	-
* A6.9. <b>THREE PHASE TRANSFORMERS</b> <b>TRs: TOs 31-1-141-2 and 31-1-141-15</b>											
A6.9.1. Theory of operation								A	-	-	-
A6.9.2. Isolate faulty three phase transformers								-	-	-	-
* A6.10. <b>DC MOTORS</b> <b>TR: TOs 31-1-141-2 and 31-1-141-9</b>											
A6.10.1. Theory of operation								A	-	-	-
A6.10.2. Isolate faulty DC motors								-	-	-	-
A6.10.3. Troubleshoot DC motors								-	-	-	-
* A6.11. <b>AC MOTORS</b> <b>TR: TOs 31-1-141-2 and 31-1-141-9</b>											
A6.11.1. Theory of operation								A	-	-	-
A6.11.2. Isolate faulty AC motors								-	-	-	-
A6.11.3. Troubleshoot AC motors								-	-	-	-
* A6.12. <b>DC GENERATORS</b> <b>TR: TOs 31-1-141-2, 31-1-141-9 and 31-1-141-13</b>											
A6.12.1. Theory of operation								A	-	-	-

## ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	3 Skill Level	5 Skill Level	7 Skill Level	5 Skill Level	7 Skill Level	5 Skill Level	7 Skill Level	3 Skill Level	5 Skill Level	7 Skill Level	5 Skill Level
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A6.12.2. Isolate faulty DC generators								-	-	-	-
A6.12.3. Troubleshoot DC generators								-	-	-	-
* A6.13. <b>AC GENERATORS</b> <b>TR: TOs 31-1-141-2, 31-1-141-9 and 31-1-141-13</b>											
A6.13.1. Theory of operation								A	-	-	-
A6.13.2. Isolate faulty AC generators								-	-	-	-
A6.13.3. Troubleshoot AC generators								-	-	-	-
A6.14. <b>ALTERNATORS</b> <b>TR: TOs 31-1-141-2 and 31-1-141-9</b>											
A6.14.1. Theory of operation								-	-	-	-
A6.14.2. Isolate faulty alternators								-	-	-	-
A6.14.3. Troubleshoot alternators								-	-	-	-
* A6.15. <b>SYNCHRO/SERVOS</b> <b>TR: TOs 31-1-141-2 and 31-1-141-9</b>											
A6.15.1. Theory of operation								A	-	-	-
A6.15.2. Isolate faulty synchro/servos								-	-	-	-
A6.15.3. Troubleshoot synchro/servos								1a	-	-	-
A6.16. <b>CHOPPERS (SYNCHRONOUS VIBRATORS)</b> <b>TR: TO 31-1-141-2</b>											
A6.16.1. Theory of operation								-	-	-	-
A6.16.2. Isolate faulty choppers								-	-	-	-
* A6.17. <b>TRANSDUCERS</b> <b>TR: TOs 31-1-141-3 and 31-1-141-13</b>											
A6.17.1. Theory of operation								A	-	-	-
A6.17.2. Isolate faulty transducers								-	-	-	-
* A6.18. <b>METER MOVEMENTS</b> <b>TR: TOs 31-1-141-2, 31-1-141-7 and 31-1-141-14C</b>											
A6.18.1. Theory of operation								-	-	-	-
A6.18.2. Isolate faulty meter movements								-	-	-	-

## ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	3 Skill Level	5 Skill Level	7 Skill Level								
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A6.19. <b>SOLID STATE DIODES</b> <b>TR: TOs 31-1-141-4 and 31-1-141-15</b>											
A6.19.1. Theory of operation								A	-	-	-
A6.19.2. Isolate faulty solid state diodes								-	-	-	-
A6.19.3. Specifications								-	-	-	-
A6.19.4. Color code								-	-	-	-
* A6.20. <b>BIPOLAR JUNCTION TRANSISTORS</b> <b>TR: TO 31-1-141-4</b>											
A6.20.1. Theory of operation								-	-	-	-
A6.20.2. Isolate faulty transistors								-	-	-	-
A6.20.3. Specifications								-	-	-	-
* A6.21. <b>INTEGRATED CIRCUITS</b> <b>TR: TO 31-1-141-4</b>											
A6.21.1. Familiarization								A	-	-	-
A6.21.2. Isolate faulty integrated circuits								1a	-	-	-
A6.21.3. Specifications								-	-	-	-
* A6.22. <b>SOLID STATE SPECIAL PURPOSE DEVICES</b> <b>TR: TO 31-1-141-4</b>											
A6.22.1. Theory of operation											
A6.22.1.1. SCR								A	-	-	-
A6.22.1.2. Zener Diode								A	-	-	-
A6.22.1.3. Tunnel Diode								A	-	-	-
A6.22.1.4. LED								A	-	-	-
A6.22.1.5. LCD								A	-	-	-
A6.22.1.6. UJT								A	-	-	-
A6.22.1.7. JFET								A	-	-	-
A6.22.1.8. MOSFET								A	-	-	-
A6.22.2. Isolate faulty special purpose devices								-	-	-	-
A6.23. <b>ELECTRON TUBES</b> <b>TR: TOs 31-1-141-1, 31-1-141-3 and 31-1-141-9</b>											
A6.23.1. Theory of operation								-	-	-	-
A6.23.2. Isolate faulty tubes								-	-	-	-

## ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level	
								(1) Course	(2) CDC	(1) Course	(2) CDC
A6.23.3. Specifications								-	-	-	-
* A6.24. <b>CATHODE RAY TUBES (CRT) TR: TOs 31-1-141-1 and 31-1-141-3</b>											
A6.24.1. Theory of operation								A	-	-	-
A6.24.2. Isolate faulty CRTs								-	-	-	-
* A6.25. <b>SOLDER/DESOLDER TR: TOs 00-25-234 and 1-1A-14</b>											
A6.25.1. Terminal connections								1a	-	-	-
A6.25.2. PC Boards								-	-	-	-
A6.25.3. Multipin connectors								1a	-	-	-
* A6.26. <b>ASSEMBLE SOLDERLESS CONNECTORS TR: TO 1-1A-14</b>											
A6.26.1. Crimp								3b	-	-	-
A6.26.2. Coaxial								3b	-	-	-
A6.26.3. Multipin								3b	-	-	-
* A6.27. <b>USE TEST EQUIPMENT TR: TOs 31-1-141-1, 31-1-141-7, 31-1-141-8, 31-1-141-9 and 31-1-141-10</b>											
A6.27.1. Multimeter, analog								1a	-	-	-
A6.27.2. Oscilloscope								1a	-	-	-
A6.27.3. Signal generator								-	-	-	-
A6.27.4. Frequency counter								-	-	-	-
A6.27.5. Spectrum analyzer								-	-	-	-
A6.27.6. Field strength tester								-	-	-	-
A6.27.7. Multimeter, digital								1a	-	-	-
A6.27.8. Digital logic probe								-	-	-	-
A6.27.9. Capacitor tester								-	-	-	-
A6.27.10. Capacitor substitution box								-	-	-	-
A6.27.11. DC restorer								-	-	-	-
A6.27.12. Logic current tracer								-	-	-	-
A6.27.13. Tube tester								-	-	-	-
A6.27.14. Logic pulser								-	-	-	-
A6.27.15. Logic analyzer								-	-	-	-
A6.27.16. Signature analyzer								-	-	-	-

# ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A6.27.17. Reflectometer								-	-	-	-
* A6.28. <b>TRANSISTOR AMPLIFIER CIRCUITS TR: TOs 31-1-141-1 and 31-1-141-4</b>											
A6.28.1. Theory of operation											
A6.28.1.1. Amplifier circuits								A	-	-	-
A6.28.1.2. Stabilization circuits								-	-	-	-
A6.28.1.3. Coupling circuits								-	-	-	-
A6.28.2. Isolate faulty transistor amplifier circuits								-	-	-	-
A6.28.3. Troubleshoot transistor amplifier circuits								-	-	-	-
A6.29. <b>ELECTRON TUBE AMPLIFIERS TR: TO 31-1-141-3</b>											
A6.29.1. Theory of operation								-	-	-	-
A6.29.2. Isolate faulty tube amplifiers								-	-	-	-
A6.29.3. Troubleshoot tube circuits								-	-	-	-
A6.30. <b>OPERATIONAL AMPLIFIER TR: TO 31-1-141-4</b>											
A6.30.1. Theory of operation								-	-	-	-
A6.31. <b>MAGNETIC AMPLIFIER TR: TO 31-1-141-4</b>											
A6.31.1. Theory of operation								-	-	-	-
A6.31.2. Isolate faulty magnetic amplifiers								-	-	-	-
A6.31.3. Troubleshoot magnetic amplifier circuits								-	-	-	-
A6.32. <b>SATURABLE REACTORS TR: TO 31-1-141-4</b>											
A6.32.1. Theory of operation								-	-	-	-
A6.32.2. Isolate faulty saturable reactors								-	-	-	-
A6.32.3. Troubleshoot saturable reactor circuits								-	-	-	-

# ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	3 Skill Level	5 Skill Level	7 Skill Level								
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A6.33. <b>POWER SUPPLY CIRCUITS</b> <b>TR: TOs 31-1-141-3, 31-1-141-4, 31-1-141-9 and 31-1-141-15</b>											
A6.33.1. Theory of operation											
A6.33.1.1. Rectifiers											
A6.33.1.1.1. Half-wave								A	-	-	-
A6.33.1.1.2. Full-wave								A	-	-	-
A6.33.1.1.3. Full-wave bridge								A	-	-	-
A6.33.1.2. Filters											
A6.33.1.2.1. Capacitive								-	-	-	-
A6.33.1.2.2. Inductive								-	-	-	-
A6.33.1.2.3. L Section								-	-	-	-
A6.33.1.2.4. Pi Section								-	-	-	-
A6.33.2. Isolate faulty power supplies								-	-	-	-
A6.33.3. Troubleshoot power supply circuits								-	-	-	-
* A6.34. <b>VOLTAGE REGULATORS</b> <b>TR: TOs 31-1-141-3 and 31-1-141-4</b>											
A6.34.1. Theory of operation											
A6.34.1.1. Shunt								-	-	-	-
A6.34.1.2. Series – EVR								-	-	-	-
A6.34.1.3. IC – EVR								-	-	-	-
A6.34.2. Isolate faulty voltage regulators								-	-	-	-
A6.34.3. Troubleshoot voltage regulator circuits								-	-	-	-
* A6.35. <b>RESISTIVE/CAPACITIVE/ INDUCTIVE (RCL) CIRCUITS</b> <b>TR: TOs 31-1-141-2 and 31-1-141-5</b>											
A6.35.1. Basic operation								-	-	-	-
A6.35.2. Resonant operation								-	-	-	-
A6.35.3. Troubleshoot RCL circuits								-	-	-	-
A6.35.4. Calculations								-	-	-	-



# ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	3 Skill Level	5 Skill Level	7 Skill Level								
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
* A6.36. <b>FREQUENCY SENSITIVE FILTERS</b> <b>TR: TO 31-1-141-2</b>											
A6.36.1. Theory of operation								-	-	-	-
A6.36.2. Isolate faulty frequency sensitive filters								-	-	-	-
A6.36.3. Troubleshoot frequency sensitive filter circuits								-	-	-	-
A6.36.4. Calculations								-	-	-	-
* A6.37. <b>WAVE GENERATING CIRCUIT</b> <b>TR: TOs 31-1-141-3, 31-1-141-4 and 31-1-141-10</b>											
A6.37.1. Theory of operation											
A6.37.1.1. Oscillators											
A6.37.1.1.1. LC								-	-	-	-
A6.37.1.1.2. RC								-	-	-	-
A6.37.1.1.3. Crystal								-	-	-	-
A6.37.1.2. Multivibrators											
A6.37.1.2.1. Astable								-	-	-	-
A6.37.1.2.2. Bistable								-	-	-	-
A6.37.1.2.3. Monostable								-	-	-	-
A6.37.1.3. Waveshaping Circuits											
A6.37.1.3.1. Schmitt Trigger								-	-	-	-
A6.37.1.3.2. Sawtooth								-	-	-	-
A6.37.1.3.3. RC integration and differentiation								-	-	-	-
A6.37.2. Isolate faulty wave generating circuits								-	-	-	-
A6.37.3. Troubleshoot wave generating circuits								-	-	-	-
A6.38. <b>LIMITER CIRCUITS</b> <b>TR: TO 31-1-141-4</b>											
A6.38.1. Theory of Operation											
A6.38.1.1. Diode								-	-	-	-
A6.38.1.2. Zener diode								-	-	-	-
A6.38.1.3. Transistor								-	-	-	-
A6.38.2. Isolate faulty limiters								-	-	-	-

# ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
		A	B	A	B	C	D	E	A	B	C	
		5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level (1) Course	5 Skill Level (2) CDC	7 Skill Level (1) Course (2) CDC	
A6.38.3.	Troubleshoot limiter circuits								-	-	-	-
A6.39.	<b>CLAMPER CIRCUITS</b> <b>TR: TO 31-1-141-4</b>											
A6.39.1.	Theory of operation								-	-	-	-
A6.39.2.	Isolate faulty clampers								-	-	-	-
A6.39.3.	Troubleshoot clamper circuits								-	-	-	-
* A6.40.	<b>DIGITAL NUMBERING SYSTEMS</b> <b>TR: TO 31-1-141-5</b>											
A6.40.1.	Conversions											
A6.40.1.1.	Binary								A	B	-	-
A6.40.1.2.	Octal								A	B	-	-
A6.40.1.3.	Hexadecimal								A	B	-	-
A6.40.2.	Math operations											
A6.40.2.1.	Binary								A	B	-	-
A6.40.2.2.	Octal								A	B	-	-
A6.40.2.3.	Hexadecimal								A	B	-	-
A6.40.3.	Binary Code Systems								A	B	-	-
* A6.41.	<b>DIGITAL LOGIC FUNCTIONS</b> <b>TR: TOs 31-1-141-4, 31-1-141-5</b>											
A6.41.1.	Theory of operation											
A6.41.1.1.	Main logic gates								A	B	-	-
A6.41.1.2.	Flip flops								-	-	-	-
A6.41.2.	Isolate faulty logic function circuits								-	-	-	-
A6.41.3.	Troubleshoot logic circuits											
A6.41.3.1.	Main logic gates								-	-	-	-
A6.41.3.2.	Flip flops								-	-	-	-
A6.41.4.	Logic families											
A6.41.4.1.	TTL								-	-	-	-
A6.41.4.2.	CMOS								-	-	-	-
A6.42.	<b>BOOLEAN EQUATIONS</b> <b>TR: TO 31-1-141-5</b>											
A6.42.1.	Diagram to equation								-	-	-	-
A6.42.2.	Equation to diagram								-	-	-	-

## ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level	
								(1) Course	(2) CDC	(1) Course	(2) CDC
A6.42.3. Simplify expressions								-	-	-	-
* A6.43. <b>COMPUTERS</b> <b>TR: TOs 31-1-141-6C and 31-1-141-9</b>											
A6.43.1. Operation principles								A	-	-	-
A6.43.2. Load programs								A	-	-	-
A6.43.3. Write/debug programs								-	-	-	-
A6.43.4. Fault isolation								-	-	-	-
A6.43.5. Circuit troubleshooting								-	-	-	-
A6.43.6. Types of memories								A	-	-	-
A6.43.7. Peripheral devices								A	-	-	-
A6.43.8. Programming languages								-	-	-	-
A6.44. <b>MICROPROCESSOR CONTROLLED SYSTEMS</b> <b>TR: TO 31-1-141-6C</b>											
A6.44.1. Theory of operation											
A6.44.1.1. Universal								-	-	-	-
A6.44.1.2. 8085 specific								-	-	-	-
A6.44.2. Isolate faulty microprocessors								-	-	-	-
A6.45. <b>LOGIC CIRCUITS</b> <b>TR: TOs 31-1-141-5 and 31-1-141-13</b>											
A6.45.1. Theory of operation											
A6.45.1.1. Counters								-	-	-	-
A6.45.1.2. Registers								-	-	-	-
A6.45.1.3. Combinational Logic Circuits											
A6.45.1.3.1. Half-adder								-	-	-	-
A6.45.1.3.2. Full-adder								-	-	-	-
A6.45.1.3.3. Encoder								-	-	-	-
A6.45.1.3.4. Decoder								-	-	-	-
A6.45.1.3.5. Multiplexer								-	-	-	-
A6.45.1.3.6. Demultiplexer								-	-	-	-
A6.45.1.3.7. Count detect								-	-	-	-
A6.45.2. Isolate faulty logic circuits								-	-	-	-
A6.45.3. Troubleshoot logic circuits								-	-	-	-

## ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A6.46. <b>DIGITAL TO ANALOG AND ANALOG TO DIGITAL CONVERTERS</b> <b>TR: TO 31-1-141-13</b>											
A6.46.1. Theory of operation											
A6.46.1.1. Approximation A/D								-	-	-	-
A6.46.1.2. Ramp A/D								-	-	-	-
A6.46.2. Isolate faulty converters								-	-	-	-
* A6.47. <b>TRANSMISSION LINES</b> <b>TR: TOs 31-1-141-7, 31-1-141-8, 31-1-141-9 and 31-1-141-11</b>											
A6.47.1. Theory of operation								A	-	-	-
A6.47.2. Perform measurements								-	-	-	-
A6.47.3. Calculations								-	-	-	-
A6.47.4. Isolate faulty transmission lines								-	-	-	-
* A6.48. <b>WAVEGUIDES</b> <b>TR: TOs 31-1-141-9 and 31-1-141-11</b>											
A6.48.1. Theory of operation								A	-	-	-
A6.48.2. Isolate faulty waveguides								-	-	-	-
* A6.49. <b>MICROWAVE OSCILLATORS &amp; AMPLIFIERS</b> <b>TR: TOs 31-1-141-3, 31-1-141-10 and 31-1-141-11</b>											
A6.49.1. Theory of operation								A	-	-	-
A6.49.2. Tune/adjust								-	-	-	-
A6.49.3. Isolate faulty microwave oscillators or amplifiers								-	-	-	-
* A6.50. <b>RESONANT CAVITIES</b> <b>TR: TOs 31-1-141-3, 31-1-141-9 and 31-1-141-11</b>											
A6.50.1. Theory of operation								A	-	-	-
A6.50.2. Isolate faulty resonant cavities								-	-	-	-
A6.50.3. Tune/adjust								-	-	-	-

## ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A	B	C	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	3 Skill Level	5 Skill Level	7 Skill Level	
								(1) Course	(2) CDC	(1) Course	(2) CDC
* A6.51. <b>TRANSMITTERS</b> <b>TR: TOs 31-1-141-4, 31-1-141-9 and 31-1-141-13</b>											
A6.51.1. Theory of operation											
A6.51.1.1. Amplitude Modulation								A	-	-	-
A6.51.1.2. Frequency Modulation								A	-	-	-
A6.51.1.3. Single Side Band								A	-	-	-
A6.51.1.4. Pulse Modulation								A	-	-	-
A6.51.2. Isolate faulty transmitters								-	-	-	-
A6.51.3. Troubleshoot transmitter circuits								-	-	-	-
* A6.52. <b>RECEIVERS</b> <b>TR: TOs 31-1-141-4, 31-1-141-9 And 31-1-141-13</b>											
A6.52.1. Theory of operation											
A6.52.1.1. Amplitude Modulation								A	-	-	-
A6.52.1.2. Frequency Modulation								A	-	-	-
A6.52.1.3. Single Side Band								A	-	-	-
A6.52.1.4. Pulse Modulation								A	-	-	-
A6.52.2. Isolate faulty receivers								-	-	-	-
A6.52.3. Troubleshoot receiver circuits								1a	-	-	-
A6.53. <b>TRANSMISSION POWER</b> <b>TR: TOs 31-1-141-7, 31-1-141-8 and 31-1-141-11</b>											
A6.53.1. Perform measurements								-	-	-	-
A6.53.2. Calculations								-	-	-	-
* A6.54. <b>ANTENNAS</b> <b>TR: TO 31-1-141-12</b>											
A6.54.1. Theory of operation								A	-	-	-
A6.54.2. Perform alignments								-	-	-	-
A6.54.3. Isolate faulty antennas								-	-	-	-
A6.55. <b>MICROPHONES</b> <b>TR: TO 31-1-141-3</b>											
A6.55.1. Theory of operation								A	-	-	-
A6.55.2. Isolate faulty microphones								-	-	-	-
A6.55.3. Troubleshoot circuits								-	-	-	-

## ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC
A6.56. <b>SPEAKERS</b> <b>TR: TO 31-1-141-3</b>											
A6.56.1. Theory of operation								A	-	-	-
A6.56.2. Isolate faulty speakers								-	-	-	-
A6.56.3. Troubleshoot speakers								-	-	-	-
A6.57. <b>PHOTOSENSITIVE DEVICES</b> <b>TR: TOs 31-1-141-3 and 31-1-141-4</b>											
A6.57.1. Theory of operation								-	-	-	-
A6.57.2. Isolate faulty photosensitive devices								-	-	-	-
A6.58. <b>DISPLAY TUBES</b> <b>TO 31-1-141-3</b>											
A6.58.1. Theory of operation								-	-	-	-
A6.58.2. Isolate faulty display tubes								-	-	-	-
* A6.59. <b>SUPPORT SUBJECTS</b> <b>TR: TOs 00-25-234 and 31-1-141-1</b>											
A6.59.1. Safety applicable to electronics								A	B	-	-
A6.59.2. First aid for electrical shock								A	-	-	-
A6.59.3. Electrostatic Sensitive Device (ESD) control								A	B	-	-

# ELECTRONIC PRINCIPLES

2A3X2

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/ Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5 Lvl	7 Lvl	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Course	(2) CDC	(1) Course	(2) CDC

# STS COURSE MATRIX

2A3X2

S	J	J	J	J	J	J
T	3	3	3	4	4	4
S	A	A	A	A	A	A
	B	B	C	L	L	L
T	R	R	R	F	F	F
A	2	2	2	2	2	2
S	A	A	A	A	A	A
K	3	3	3	3	3	3
	3	3	7	3	3	3
N	2	2	2	2	2	2
U				A	B	C
M						
B	0	0	0	0	0	0
E	0	0	0	0	0	0
R	0	1	3	7	5	5

NOTE 1: Course column J3ABR2A332 000 refers to the F-16 C/D shredless 3-level awarding resident course that will be taught by the 365 TRS, Sheppard AFB, TX beginning 27 Aug 97.

NOTE 2: Course column J3ABR2A332 001 refers to the F-16 A/B shredless 3-level awarding resident course that will be taught by the 365 TRS, Sheppard AFB, TX beginning 27 Aug 97.

NOTE 3: Course column J3ACR2A372 003 refers to the F-16 7-level awarding resident course taught by the 365 TRS, Sheppard AFB, TX.

NOTE 4: Course column J4ALF2A332A 007 refers to the A-shred 3-level awarding non-resident course taught by the 372 TRS, Sheppard AFB, TX.

NOTE 5: Course column J4ALF2A332B 005 refers to the B-shred 3-level awarding non-resident course taught by the 372 TRS, Sheppard AFB, TX.

NOTE 6: Course column J4ALF2A332C 005 refers to the C-shred 3-level awarding non-resident course taught by the 372 TRS, Sheppard AFB, TX.

*A2.2.	<b>SECURITY</b>					
A2.2.2.6.	Specific vulnerabilities of AFSC 2A3X2	A	A			
A2.2.2.7.	Physical security of resources	A	A			
*A2.3.	<b>AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM</b>					
	<b>TR: AFIs 21-101, 91-202, 91-301, 91-302; AFOSH Stds 48-8, 91-38, 127-12127-31, 127-43, 127-66, 127-100, 161-9, 161-10, 161-21</b>					
A2.3.1.	Hazards of AFSC 2A3XX	A	A		B	B
A2.3.2.	Work area cleanliness and safety	A	A			
A2.3.3.	Hazards of RF energy	A	A		B	B
A2.3.4.	Report suspected RF overexposure	A	A			
A2.3.5.1.	Compressed gases	A	A		B	
A2.3.5.2.	RF sources	A	A		B	
A2.3.5.3.	Electrical power	A	A		B	
A2.3.5.4.	Hydraulic power	A	A		B	
A2.3.5.6.	Portable fire extinguishers	A	A		B	
A2.3.5.7.	High intensity sound	A	A		B	
A2.3.6.	Discuss FOD prevention	A	A			
	TR: AFI 21-101					
A2.3.7.	Laser safety	A	A			
A2.3.8.	Hydrazine hazards	A	A		B	B
	TR: AFOSH Std 161-13					



# STS COURSE MATRIX

2A3X2

S T S  T A S K  N U M B E R	J 3 A B R 2 A 3 3 2	J 3 A B R 2 A 3 3 2	J 3 A C R 2 A 3 7 2	J 4 A L F 2 A 3 3 2 A	J 4 A L F 2 A 3 3 2 B	J 4 A L F 2 A 3 3 2 C
*A2.4. <b>HAZARDOUS COMMUNICATION, MATERIAL, and WASTE</b> <b>TR: AFOSH Std 161-21</b>						
A2.4.1.     Initial Federal Hazard Communication Training Program (FHCTP)	B	B				
A2.4.2.     Identification	B	B				
A2.4.3.     Handling	B	B				
A2.4.4.     Storage/Labeling	B	B				
A2.4.5.     Disposal	B	B				
*A2.5. <b>TECHNICAL PUBLICATIONS</b> <b>TR: TOs 00-5-1, 00-5-2, 00-5-18, F-16 and F-117 TOs</b>						
A2.5.1.     Function and application	A	A		B	B	B
A2.5.2.     Use wiring diagrams	2b	2b				
A2.5.3.1.   Maintenance	3b	3b				
A2.5.4.     Report TO deficiencies			c			
*A2.6. <b>SUPPLY DISCIPLINE</b> <b>TR: DoD 7200-10, AFM 67-1 (Vol I, Part One, Chapt 1; Vol II, Part One); AFMAN 23-220, and applicable command directives</b>						
A2.6.11.    Supply principles	A	A				
A2.6.12.    Use condition tags	2b	2b				
A2.6.13.1.   AFTO form 350	2b	2b				
A2.6.13.2.   AF form 2005	2b	2b				
A2.7. <b>SUPERVISION</b> <b>TR: AFMAN 36-2108, AFIs 36-2101, 36-2403, 36-2503, 36-2803, 36-2805, 36-2907, 36-2618, 36-3017, 38-101, 38-201, AFM 50-62 and applicable command directives</b>						
A2.7.5.1.    Work assignments			C			

# STS COURSE MATRIX

2A3X2

S T S  T A S K  N U M B E R	J 3 A B R 2 A 3 3 2	J 3 A B R 2 A 3 3 2	J 3 A C R 2 A 3 7 2	J 4 A L F 2 A 3 3 2 A	J 4 A L F 2 A 3 3 2 B	J 4 A L F 2 A 3 3 2 C
A2.8. <b>TRAINING</b> <b>TR: AFI 36-2101; 36-2202, 36-2301; AFMAN 36-2108; AFCAT 36-2223</b>						
A2.8.5. Evaluate personnel to determine need for training			B			
A2.8.10. Maintain training records			B			
*A2.9. <b>MAINTENANCE MANAGEMENT</b> <b>TR: AFI 21-109 and applicable command directives</b>						
A2.9.1. Maintenance accountability			C			
A2.9.3. Basic functions and responsibilities of the maintenance complex	A	A				
A2.9.5.1. Logistics Management			C			
*A2.10. <b>MAINTENANCE, INSPECTION SYSTEMS AND FORMS</b> <b>TR: AFI 21-109; TO 00-35D-54; TO 00-20 series and applicable command directives</b>						
A2.10.1. Inspection systems			B			
A2.10.2. Deficiency reporting system			C			
A2.10.3. Complete deficiency reports			3c			
A2.10.9.1. 781A	3b	3b				
A2.10.9.2. 781H	2b	2b				
A2.10.9.3. 781K	2b	2b				
A2.10.11.1. Maintenance transactions	3b	3b				
A2.10.11.2. Supply transactions	1a	1a				
*A2.11. <b>GENERAL AIRCRAFT TASKS</b> <b>TR: Applicable F-16/F-117 series TOs and directives, AFOSH Standard 127-9, TOs 33A2 series, 35A4 series, 35D12 series, and 35E9</b>						
A2.11.2.2.1. Panels and doors	3b	3b				
A2.11.2.4.1. Panels and doors	3b	3b				
A2.11.12.1.1. Perform pre-use inspection	3b	3b				
A2.11.12.1.2. Use	3b	3b				

# STS COURSE MATRIX

2A3X2

S	J	J	J	J	J	J
T	3	3	3	4	4	4
S	A	A	A	A	A	A
	B	B	C	L	L	L
T	R	R	R	F	F	F
A	2	2	2	2	2	2
S	A	A	A	A	A	A
K	3	3	3	3	3	3
	3	3	7	3	3	3
N	2	2	2	2	2	2
U				A	B	C
M						
B	0	0	0	0	0	0
E	0	0	0	0	0	0
R	0	1	3	7	5	5
A2.11.12.3.1. Perform pre-use inspection	1b	1b				
A2.11.12.3.2. Use	1b	1b				
A2.11.12.4.1. Perform pre-use inspection	2b	2b				
A2.11.12.4.2. Use	2b	2b				
A2.11.12.5.1. Perform pre-use inspection	2b	2b				
A2.11.12.5.2. Use	2b	2b				
*A2.13. <b>FUNDAMENTALS OF AVIONICS SYSTEMS MAINTENANCE</b> <b>TR: AFOSH 127-9, 127-23, 127-66</b> <b>Applicable Aircraft -1, -2, -4, -23, TO</b> <b>series; TOs 32-1-2, 32-1-101, 32-1-</b> <b>201, 00-25-234, 1-1-2, 1-1-689, 1-1A-8,</b> <b>1-1A-14, 1F(-)-2-00/10JG-00-1, 1F(-)-</b> <b>2-00GV-00-1, and applicable</b> <b>directives</b>						
A2.13.1.1. Major structural areas	A	A			B	B
A2.13.1.2. Major systems	A	A		B	B	B
A2.13.1.3. Danger areas	A	A		B	B	B
A2.13.2. Use common tool(s)	3b	3b				
A2.13.3. Corrosion control						
A2.13.4.1. Exposed electrical connectors	a	a				
A2.13.4.2. Open pressure lines	a	a				
A2.13.4.3. Open waveguides	a	a				
A2.13.6. Perform aircraft safe for maintenance check	3b	3b		2b	2b	2b
A2.13.7. Perform safety wiring	2b	2b				
A2.13.8. Use torque indicating devices	3b	3b				
A2.13.9. Follow CTK procedures	2b	2b				
A2.13.10.1. Causes	A	A			B	
A2.13.10.2. Identification	A	A			B	
A2.13.10.3. Prevention	A	A				
A2.13.11.1.1. Methodology			C			
A2.13.11.1.2. Analysis			C			

# STS COURSE MATRIX

2A3X2

S T S  T A S K  N U M B E R	J 3 A B R 2 A 3 3 2	J 3 A B R 2 A 3 3 2	J 3 A C R 2 A 3 7 2	J 4 A L F 2 A 3 3 2 A	J 4 A L F 2 A 3 3 2 B	J 4 A L F 2 A 3 3 2 C
*A2.14. AIRCRAFT WIRE, CABLE, AND TRANSMISSION LINE MAINTENANCE TR: Applicable F-16/F-117 -1 and -2 series TOs						
A2.14.1. Use wire repair kit(s)	2b	2b	c			
A2.14.2.1. Troubleshoot	2b	2b	c			
A2.14.2.5. Use Time Domain Reflectometer			3c			
A2.14.3.1.1. Repair	2b	2b				
A2.14.3.1.3. Inspect	2b	2b				
A2.14.3.2.1. Repair	b	b				
A2.14.3.2.3. Inspect	b	b				
A2.14.4.1. Troubleshoot	2b	2b		2b		2b
A2.14.4.2. Repair	b	b		b		B
A2.14.4.4. Inspect	a	a				a
A2.14.6. Use heat gun	2b	2b				
A2.16. ENHANCED DIAGNOSTIC AID (EDNA) TR: Applicable F-16 series TOs						
A2.16.1. Operation	A	A				
A2.16.3. Perform self-test	2b	2b				
*A3.4. FIRE CONTROL RADAR (FCR), F-16A/B AIRCRAFT ONLY TR: Applicable F-16 -2 and -34 series TOs						
A3.4.1. System Description		A				
A3.4.2. System Operation		A				
A3.4.3. System Theory		B				
A3.4.4. Trace signal data flow		b				
A3.5. INERTIAL NAVIGATION SYSTEM (INS) AND INDICATORS, F-16A/B AIRCRAFT ONLY TR: Applicable F-16 -2 and -34 series TOs						
A3.5.1. System Description		A				

# STS COURSE MATRIX

2A3X2

S T S  T A S K  N U M B E R	J 3 A B R 2 A 3 3 2	J 3 A B R 2 A 3 3 2	J 3 A C R 2 A 3 7 2	J 4 A L F 2 A 3 3 2 A	J 4 A L F 2 A 3 3 2 B	J 4 A L F 2 A 3 3 2 C
A3.5.2. System Operation		A				
A3.6. <b>FIRE CONTROL COMPUTER (FCC)/EXPANDED FIRE CONTROL (XFCC), F-16A/B AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>						
A3.6.1. System Description		A				
A3.8. <b>RADAR, ELECTRO-OPTICAL (REO) DISPLAY SYSTEM, F-16A/B AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>						
A3.8.1. System Description		A				
A3.8.2. System Operation		A				
A3.8.4. Trace signal/data flow		b				
*A4.1. <b>ULTRA-HIGH FREQUENCY /HAVE QUICK (UHF/HQ) COMMUNICATIONS</b> <b>TR: Applicable F-16/F-117 -2 series TOs</b>						
A4.1.1. System Description	A	A				B
A4.1.2. System Operation	A	A				B
A4.1.5. Perform operational checkout	3b	3b				2b
A4.1.8.1. UHF RT	3b	3b				
A4.1.9.1. UHF RT	3b	3b				
*A4.4. <b>INTERPHONE SYSTEM</b> <b>TR: Applicable F-16/F-117 -2 series TOs</b>						
A4.4.1. System Description	A	A				B
A4.4.2. System Operation	A	A				B
A4.4.5. Perform operational checkout	3b	3b				2b
*A4.6. <b>FLIGHT CONTROL SYSTEM (FLCS) (CONVENTIONAL)</b> <b>TR: Applicable F-16 -2 series TOs</b>						
A4.6.1. System Description	A	A			B	

# STS COURSE MATRIX

2A3X2

S T S  T A S K  N U M B E R		J 3 A B R 2 A 3 3 2	J 3 A B R 2 A 3 3 2	J 3 A C R 2 A 3 7 2	J 4 A L F 2 A 3 3 2 A	J 4 A L F 2 A 3 3 2 B	J 4 A L F 2 A 3 3 2 C
A4.6.2.1.	Stability and command augmentation	A	A			B	
A4.6.2.2.	Trim	A	A			A	
A4.6.2.3.	Autopilot	A	A			A	
A4.6.2.4.	Self-test	A	A			B	
A4.6.2.5.	Air data scheduling	A	A			B	
A4.6.2.6.	Electrical power (prime/alt)	A	A			B	
A4.6.3.	System Theory	B	B			B	
A4.6.4.	Trace signal/data flow	b	b			B	
A4.6.5.1.	FLCS self-test	3b	3b			2b	
A4.6.8.	Use test equipment	2b	2b			2b	
A4.6.9.1.	Flight control computer	3b	3b				
A4.6.9.2.	Rate gyros	3b	3b				
A4.6.10.1.	Flight control computer	3b	3b				
A4.6.10.2.	Rate gyros	3b	3b				
*A4.7.	<b>DIGITAL FLIGHT CONTROL SYSTEM (DFLCS) (BLOCK 40/50)</b> <b>TR: Applicable F-16 -2 series TOs</b>						
A4.7.1.	System Description	A	A		B		
A4.7.2.1.	Stability and command augmentation	A	A		B		
A4.7.2.2.	Trim	A	A		A		
A4.7.2.3.	Autopilot	A	A		A		
A4.7.2.4.	BIT	A	A		B		
A4.7.2.5.	Air data scheduling	A	A		B		
A4.7.2.6.	Electrical power (primary/alternate)	A	A		B		
A4.7.2.7.	Terrain Following (TF)	A	A				
A4.7.3.	System Theory	B	B		B		
A4.7.4.	Trace signal/data flow	b	b		B		
A4.7.5.1.	Operational checkout and BIT	3b	3b		2b		
A4.7.8.1.	DFLCC	3b	3b				
A4.7.9.1.	DFLCC	3b	3b				

# STS COURSE MATRIX

2A3X2

S T S  T A S K  N U M B E R	J 3 A B R 2 A 3 3 2	J 3 A B R 2 A 3 3 2	J 3 A C R 2 A 3 7 2	J 4 A L F 2 A 3 3 2 A	J 4 A L F 2 A 3 3 2 B	J 4 A L F 2 A 3 3 2 C
*A4.8. LEADING EDGE FLAP SYSTEM TR: Applicable F-16 -2 series TOs						
A4.8.1. System Description	A	A		B		
A4.8.2. System Operation	A	A		B		
*A4.10. FUEL QUANTITY INDICATING SYSTEM TR: Applicable F-16 -2 series TOs						
A4.10.1. System Description	A	A		B		
A4.10.2. System Operation	A	A		B		
A4.10.3. System Theory	B	B		B		
A4.10.4. Trace signal/data flow	b	b		B		
A4.10.6. Calibrate system	2b	2b		2b		
A4.10.7. Isolate malfunctions	2b	2b		B		
A4.10.8. Use test equipment	3b	3b		2b		
A4.10.9.1. Control Unit	3b	3b				
A4.10.9.2. Indicator	3b	3b				
A4.10.10.1. Control Unit	3b	3b				
A4.10.10.2. Indicator	3b	3b				
A4.10.11. Perform capacitance check	3b	3b		2b		
*A4.13. FLIGHT ENVIRONMENT ( Air Data) SYSTEM TR: Applicable F-16 -2 series TOs						
A4.13.1. System Description	A	A		A		
A4.13.2. System Operation	A	A		A		
A4.13.3. System Theory	B	B		B		
A4.13.7.1. CAD/C	3b	3b				
A4.13.8.1. CAD/C	3b	3b				
*A4.14. PITOT STATIC INSTRUMENTS TR: Applicable F-16/F-117 -2 series TOs						
A4.14.1. System Description	A	A		B		
A4.14.2. System Operation	A	A		B		

# STS COURSE MATRIX

2A3X2

S	J	J	J	J	J	J
T	3	3	3	4	4	4
S	A	A	A	A	A	A
	B	B	C	L	L	L
T	R	R	R	F	F	F
A	2	2	2	2	2	2
S	A	A	A	A	A	A
K	3	3	3	3	3	3
	3	3	7	3	3	3
N	2	2	2	2	2	2
U				A	B	C
M						
B	0	0	0	0	0	0
E	0	0	0	0	0	0
R	0	1	3	7	5	5
A4.14.5. Perform operational checkout	2b	2b		2b		
A4.14.8. Use test equipment	2b	2b		2b		
*A4.18. <b>AIR-TO-GROUND IFF (A/G IFF) TRANSPONDER SYSTEM</b> <b>TR: Applicable F-16/F-117 -2 series TOs</b>						
A4.18.1. System Description	A	A				A
A4.18.2. System Operation	A	A				A
A4.18.5. Perform operational checkout and BIT	2b	2b				2b
A4.18.7. Use test equipment	2b	2b				
A4.18.8.1. IFF RT	3b	3b				
A4.18.9.1. IFF RT	3b	3b				
A4.18.10.1. System Description	A	A				A
A4.18.10.2. System Operation	A	A				A
A4.18.10.5. Perform operational checkout	2b	2b				
A4.18.10.9.1. Use KYK-13	2b	2b				
*A4.19. <b>TACTICAL AIR NAVIGATION (TACAN) SYSTEM</b> <b>TR: Applicable F-16/F-117 -2 series TOs</b>						
A4.19.1. System Description	A	A				A
A4.19.2. System Operation	A	A				A
A4.19.5. Perform operational checkout and BIT	3b	3b				2b
*A4.28. <b>FIRE CONTROL RADAR (FCR), F-16 C/D AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOS</b>						
A4.28.1. System Description	A					
A4.28.2. System Operation	A					
A4.28.3. System Theory	B					
A4.28.4. Trace signal/data flow	b					
A4.28.5. Perform operational checkout	3b					
A4.28.6. Isolate malfunctions	2b					



# STS COURSE MATRIX

2A3X2

S	J	J	J	J	J	J
T	3	3	3	4	4	4
S	A	A	A	A	A	A
	B	B	C	L	L	L
T	R	R	R	F	F	F
A	2	2	2	2	2	2
S	A	A	A	A	A	A
K	3	3	3	3	3	3
	3	3	7	3	3	3
N	2	2	2	2	2	2
U				A	B	C
M						
B	0	0	0	0	0	0
E	0	0	0	0	0	0
R	0	1	3	7	5	5
A4.28.7.1. DMT	3b					
A4.28.8.1. DMT	3b					
A4.28.9. Use waveguide pressurization tester	2b					
*A4.31. <b>STANDARD INERTIAL NAVIGATION SYSTEM (SINS) AND INDICATORS, F-16C/D AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>						
A4.31.1. System Description	A	A		A		
A4.31.2. System Operation	A	A		A		
A4.31.3. System Theory	B	B		B		
A4.31.4. Trace signal/data flow	b	b		B		
A4.31.5. Perform alignment and operational checkout	3b	3b		2b		
A4.31.6. Isolate malfunctions	b	b		B		
A4.31.7.1. INU	3b	3b				
A4.31.8.1. INU	3b	3b				
*A4.37. <b>ENHANCED FIRE CONTROL COMPUTER (EFCC), F-16C/D AIRCRAFT ONLY</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>						
A4.37.1. System Description	A	A		B		
A4.37.2. System Operation	A	A		B		
*A4.38. <b>GENERAL AVIONICS COMPUTER (GAC) (BLOCK 40/50)</b> <b>TR: Applicable F-16 -2 and -34 series TOs</b>						
A4.38.1. System Description	A	A		B		
A4.38.2. System Operation	A	A		B		
A4.38.4. Trace signal/data flow	b	b		B		
A4.38.6. Isolate malfunctions	b	b		B		

# STS COURSE MATRIX

2A3X2

S T S  T A S K  N U M B E R	J 3 A B R 2 A 3 3 2	J 3 A B R 2 A 3 3 2	J 3 A C R 2 A 3 7 2	J 4 A L F 2 A 3 3 2 A	J 4 A L F 2 A 3 3 2 B	J 4 A L F 2 A 3 3 2 C
*A4.42. MULTI-FUNCTION DISPLAY SET (MFDS), F-16C/D AIRCRAFT ONLY TR: Applicable F-16 -2 and -34 series TOs						
A4.42.1. System Description	A	A		A		
A4.42.2. System Operation	A	A		A		
A4.42.5. Perform operational checkout and BIT	2b	2b		2b		
*A4.43. UPFRONT CONTROL SYSTEM (UFC), F-16C/D AIRCRAFT ONLY TR: Applicable F-16 -2 and -34 series TOs						
A4.43.1. System Description	A	A		A		A
A4.43.2. System Operation	A	A		A		A
A4.43.5. Perform operational checkout and BIT	2b	2b		2b		
*A4.47. RADAR THREAT WARNING SYSTEM (RTWS) TR: Applicable F-16 -2 series Tos						
A4.47.1. System Description	A	A				B
A4.47.2. System Operation	A	A				B
A4.47.3. System Theory	B	B				B
A4.47.4. Trace signal/data flow	b	b				b
A4.47.5. Perform confidence check	2b	2b				
A4.47.6. Perform operational checkout	3b	3b				2b
A4.47.7. Isolate malfunctions	2b	2b				b
A4.47.8.1. AN/APM-427	2b	2b				
A4.47.9.2. Receiver controller	3b	3b				
A4.47.10.2. Receiver controller	3b	3b				
A4.48. ADVANCED RADAR WARNING RECEIVER (ALR-56M) TR: Applicable F-16 -2 series TOs						
A4.48.1. System Description	A	A				

# STS COURSE MATRIX

2A3X2

S T S  T A S K  N U M B E R	J 3 A B R 2 A 3 3 2	J 3 A B R 2 A 3 3 2	J 3 A C R 2 A 3 7 2	J 4 A L F 2 A 3 3 2 A	J 4 A L F 2 A 3 3 2 B	J 4 A L F 2 A 3 3 2 C
A4.51. <b>CHAFF-FLARE DISPENSER SYSTEM (CFDS) (ALE-40)</b> <b>TR: Applicable F-16 -2 series TOs</b>						
A4.51.1. System Description	A	A				B
A4.51.2. System Operation	A	A				B
A4.51.5. Perform operational checkout	2b	2b				2b
A4.51.7. Use test equipment	2b	2b				
A4.52. <b>COUNTERMEASURES DISPENSING SET (CMDs) (ALE-47)</b> <b>TR: Applicable F-16 -2 series TOs</b>						
A4.52.1. System Description	A	A				

**CAREER FIELD EDUCATION AND TRAINING PLAN**  
**F-16/F-117/CV-22 AVIONIC SYSTEMS**  
**AFSC 2A3X2**

**PART II**

***SECTION B – COURSE OBJECTIVE LIST***

**4. Measurement:** Each objective is indicated as follows: **W** indicates task or subject knowledge which is measured using a written test, **PC** indicates required task performance which is measured with a performance progress check, and **PC/W** indicates separate measurement of both knowledge and performance elements using a written test and a performance progress check.

**5. Standard:** The standard is 70% on written examinations. Standards for performance measurement are indicated in the objective and delineated on the individual progress checklist. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained.

**6. Proficiency Level:** A complete listing of the MRT tasks is in the STS portion of this CFETP. They are identified by the “3b” (“3” = Can do all parts of the task. Needs only a spot check of completed work and “b” = Can determine step by step procedures for doing the task) proficiency code in the 3-level column. The MRT program is designed to certify basic students at the “3b” level on selected aircraft specific tasks at the technical school so they will be productive immediately upon arrival at their first duty section. Other task performance is taught to the “2b” proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task.

**7. Course Objectives:** A detailed listing of the initial skills and craftsman course objectives may be obtained by submitting a written request to MSgt Strunk, 365 TRS/TRR, 609 9th Ave, Sheppard AFB TX 76311-2335.

***SECTION C - SUPPORT MATERIAL***

**8. Purpose:** The following list of support materials is not all-inclusive across the specialty; however, it covers the most frequently referenced areas. Support material is any training package designed to enhance the learning process at any level of training. Refer to AFCAT 36-2223, USAF Formal Schools, for information on AETC formal courses listed below.

## 8.1. FTD COURSES:

<b><u>COURSE NUMBER</u></b>	<b><u>PDS</u></b>	<b><u>TITLE</u></b>	<b><u>OPR</u></b>
J4ALF 2A332A 007	W7R	F-16 Avionic Systems Apprentice Attack Control Systems C/D Conv.	372 TRS/TXB Mr Bill Francis 912 I Ave Sheppard AFB, TX 76311-2361 DSN 736-4788
J4ALF 2A332B 005	W77	F-16 Avionic Systems Specialist Instrument and Flight Control Systems	372 TRS Same as above
J4ALF 2A332C 005	WH9	F-16 Avionic Systems Apprentice Communication, Navigation, and Penetration Aids.	372 TRS Same as above
J4AMF/ASF/AST 2A3X2-000	L63	F-16 Integrated Avionic and Digital Flight Control Systems (Block 40/42 Delta)	372 TRS Same as above
J4AMF/ASF/AST 2A3X2-003	V57	F-16 Integrated Avionic and Digital Flight Control Systems Craftsman (Block 50 Delta)	372 TRS Same as above
J4AMF/ASF/AST 2A3X2-004	XAR	F-16 Integrated Avionic Systems Craftsman (Block 50/52 Mini "D" Delta)	372 TRS Same as above
J4AMF/ASF/AST 2A3X2-007	OQI	F-16 Integrated Avionic Systems Craftsman (Block 50)	372 TRS Same as above
J4AMF/ASF/AST 2A3X2-199	XH9	F-16 Hardpoint Borescope Confidence Check (Block 50/52)	372 TRS Same as above
J4AMF/ASF/AST 2A3X2A-000	9WL	F-16 C/D Integrated Avionic Systems (Attack Control Cross)	372 TRS Same as above

<b><u>COURSE NUMBER</u></b>	<b><u>PDS</u></b>	<b><u>TITLE</u></b>	<b><u>OPR</u></b>
J4AMF/ASF/AST 2A3X2A-004	6QB	F-16 Integrated Avionic Attack Control Systems Craftsman (C/D Difference Block 25/30/32)	372 TRS Same as above
J4AMF/ASF/AST 2A3X2B-000	9WN	F-16 Avionic Systems Craftsman (Instrument and Flight Controls Cross)	372 TRS Same as above
J4AMF/ASF/AST 2A3X2C-000	9WP	F-16 Integrated Avionic Communication, Navigation, and Penetration Aids Systems (Cross)	372 TRS Same as above
J4AMF/ASF/AST 2A3X2C-001	6QH	F-16 Avionic Systems Craftsman (Communication, Navigation, and Penetration Aids C/D Difference)	372 TRS Same as above

**8.2. GENERAL FTD COURSES:** The following general FTD courses apply to subject AFSCs and other AFSCs as well.

<b><u>COURSE NUMBER</u></b>	<b><u>PDS</u></b>	<b><u>TITLE</u></b>	<b><u>OPR</u></b>
J4AMF/ASF/AST 00066 038	AVH	Air Force Technical Order (T.O.)System (Gen)	362 TRS Ms Merrit 613 10 <sup>th</sup> Ave Sheppard AFB,TX 76311-2352 DSN 736-5206
J4AMF/ASF/AST 00066 039	OBA	Air Force T.O. System (Adv)	362 TRS Same as above
J4AMF/ASF/AST 00066 058	9DU	Air Force Maintenance Data Collection System (CAMS)	362 TRS SSgt Durcholtz 613 10 <sup>th</sup> Ave Sheppard AFB, TX 76311-2352 DSN 736-5206
J4AMF/ASF/AST 00066 59	MUI	Air Force Maintenance Data Collection (CAMS) (781 Auto Forms)	362 TRS Same as above

<b><u>COURSE NUMBER</u></b>	<b><u>PDS</u></b>	<b><u>TITLE</u></b>	<b><u>OPR</u></b>
J4AMF/ASF/AST 00066 061	PCP	Air Force Maintenance Data Collection (CAMS) Operators Course (Introduction)	362 TRS Same as above
J4AMF/ASF/AST 00066 062	QRA	Core Automated Maintenance System (Mid-level Maintenance Managers)	362 TRS Same as above
J4AMF/ASF/AST 00066 063	QRQ	Core Automated Maintenance System (Senior Level Maintenance Managers)	362 TRS Same as above

**8.3. MAJCOM DEVELOPED COURSES:** The following applicable Interactive Courseware is available from the 367th TRS, Hill AFB, UT 84056-5805. To request ordering information of hardware, your MAJCOM training POC (for ACC, AMC and ANG) is the first stop. For personnel under other MAJCOMs, you contact them directly, they will provide you the information required for purchasing the item through them. If you decide to purchase the system, they will FAX you the AF Form 616 to use for an example. To obtain more information about each course or hardware required, request a copy of the F-16 aircraft specific interactive courseware catalog from the 367 TRS, 6058 Aspen, Building 1295, Hill AFB, UT 84056-5805; DSN 777-7830/8741. 367 TRS Configuration Management can be reached at DSN 777-0160 or FAX 777-0897.

<b><u>COURSE</u></b>	<b><u>TITLE</u></b>
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**General Courses**

00TVT0000	FOD Prevention
00TVT0001	Safety and Radio Frequency (RF) Radiation
00TIV0001V1	Troubleshooting Techniques
00TIV0002	Aerospace Ground Equipment Training
00TCB0002V1	Multimeter Familiarization
00TIV0007	Potential Hazards of Oxygen Enriched Environments
00CIV0008	Use and Care of Type III Torque Wrenches
00CVT0009	Torque Wrench, Use and Care
00TIV1000	Aircraft Marshaling

**Block 40 Courses**

16LIV0002	F-16 C/D LANTIRN O-Level Handling
16AIV1401	F-16 C/D Block 40 Advanced Flight Controls
16GIV1401	F-16/40 C/D Block 40 Digital Flight Controls

### **Block 40 Courses (con't)**

16AIV14A1	F-16 C/D Rigging & Troubleshooting Flight Control Surfaces
16GIV2801	F-16 C/D Block 40 Fuel Quantity
16AIV7401	F-16 C/D APG-68 Radar
16GIV7403	F-16 C/D Block 25-52Boresight Procedures
16GIV7404	F-16/40 C/D Block 40 Up-Front Controls Integration
16AIV7405	F-16 C/D Block 40 Avionics Integration
16TIV7405	F-16 C/D Block 50 UFC Integration
16TIV7406	F-16 C/D Block 50 Avionics Integration

### **Block 50 Courses**

16TIV1402	F-16 C/D Block 50 Advanced Flight Controls
16TIV1403	F-16 Block 50 C/D Digital Flight Controls
16AIV14A1	F-16 C/D Rigging & Troubleshooting Flight Control Surfaces
16TIV2802	F-16 C/D Block 50 Fuel Quantity
16TIV7402	F-16/50 C/D Block 50 APG-68 Radar
16GIV7403	F-16 C/D Block 25-52Boresight Procedures
16TIV7405	F-16 C/D Block 50 UFC Integration
16TIV7406	F-16 C/D Block 50 Avionics Integration

**8.4. F-117 AIRCRAFT MAINTENANCE QUALIFICATION PROGRAM (AMQP):** The 49th Training Management Flight, 49 LSS/LST, Holloman AFB NM 88330, DSN 867-5199/5192, provides the following F-117 peculiar courses

<b><u>COURSE</u></b>	<b><u>TITLE</u></b>
J4AMF2A332 000	Avionics Apprentice
J4AMF2A3X2 006	Avionics Integration
J4AMF2A3X2 005	F-117A Wire Repair

**8.5.** The Human Systems Program Office, HSC/YARM, Brooks AFB, TX 78235-5000, DSN 240-2477, has developed Maintenance Skills Tutors (MST). The MSTs are designed to provide intelligent computer delivered advanced troubleshooting training with emphasis on authentic troubleshooting problems under realistic conditions.

<b><u>COURSE TITLE</u></b>	<b><u>EST COMP DATE</u></b>
Communication, Navigation and Penetration Aids	Jan 1996
Instruments and Flight Controls	Jan 1998



**COURSE TITLE****EST COMP DATE**

Attack Control Systems

Apr 1996

***SECTION D – TRAINING COURSE INDEX***

**9. Purpose:** This index lists all mandatory Air Force in-residence, field, ECI, and exportable courses used to support training for this specialty. Refer to AFCAT 36-2223, USAF Formal Schools, for information on AETC formal courses listed below.

**9.1 Air Force In-Residence Courses:**

<b><u>COURSE NUMBER</u></b>	<b><u>PDS</u></b>	<b><u>TITLE</u></b>	<b><u>OPR</u></b>
L3AQR 40020 500	W4N	Electronic Principles Course	342 TRS/TTEP Mr Anderson 1220 Truemper St Lackland AFB, TX 78238-5546
J3ABR 2A332A 002	XQ6	F-16 C/D Avionic Attack Control Systems Apprentice	365 TRS/TRR MSgt J. Strunk 609 9 <sup>th</sup> Ave Sheppard AFB, TX 76311-2335 DSN 736-7908
J3ABR 2A332B 002	XQ8	F-16 C/D Avionic Instrument and Flight Control Systems Apprentice	365 TRS/TRR Same as above
J3ABR 2A332C 002	XQ9	F-16 C/D Avionic Communication, Systems Apprentice	365 TRS/TRR Same as above
J3ACR 2A372 003	XQV	F-16 Avionic Systems Craftsman	365 TRS/TRR Same as above

## 9.2 Extension Course Institute (ECI) Courses:

<b><u>COURSE NUMBER</u></b>	<b><u>TITLE</u></b>	<b><u>OPR</u></b>
CDC 2A352	F-16 Integrated Avionic Systems Journeyman	365 TRS/TRR MSgt J. Strunk 609 9 <sup>th</sup> Ave Sheppard AFB, TX 76311-2335 DSN 736-7908
CDC 2A352A	F-16 Integrated Avionic Attack Control Systems Journeyman	365 TRS/TRR Same as above
CDC 2A352B	F-16 Integrated Avionic Instrument and Flight Controls Systems Journeyman	365 TRS/TRR Same as above
CDC 2A352C	F-16 Integrated Avionic Communication, Navigation and Penetration Aids Systems Journeyman	365 TRS/TRR Same as above
CDC 2A352D	F-16/F-117/CV-22 Integrated Organizational Avionic Systems Journeyman	365 TRS/TRR Same as above

**9.3. Exportable Courses:** There are no exportable courses required for this specialty.

## 9.4. Courses Under Development:

<b><u>COURSE NUMBER</u></b>	<b><u>PDS</u></b>	<b><u>TITLE</u></b>	<b><u>OPR</u></b>
J3ABR 2A332 000	5MI	F-16 C/D (MRT) Avionic Systems Apprentice	365 TRS/TRR MSgt J. Strunk 609 9 <sup>th</sup> Ave Sheppard AFB, TX 76311-2335 DSN 736-7908

**9.5. Courses Under Revision:** There are currently no courses under revision.

## ***SECTION E – MAJCOM UNIQUE REQUIREMENTS***

**10.** There are currently no MAJCOM unique requirements. This area is reserved